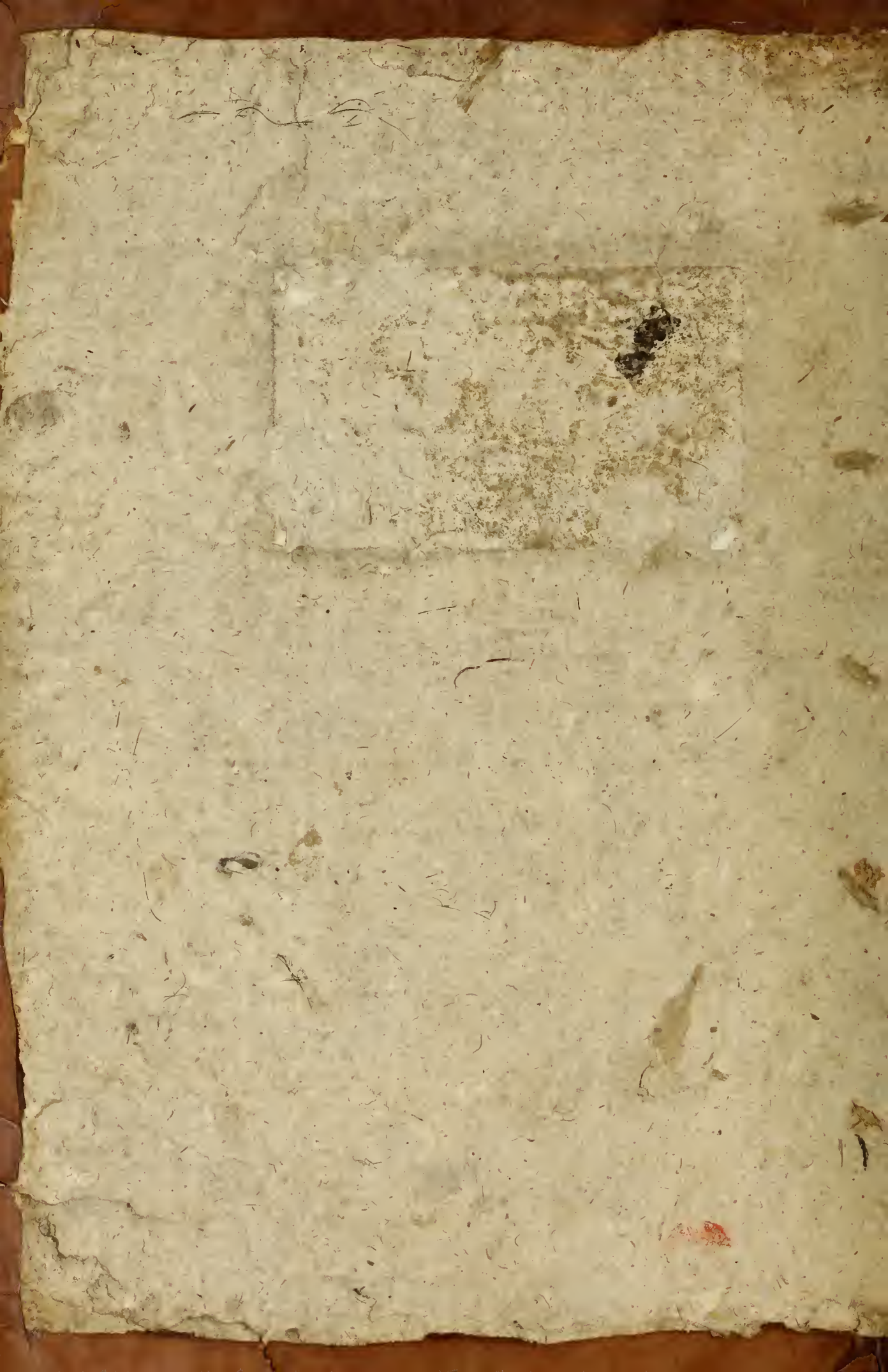

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Trigonometria

BRITANICA:

OR,

THE DOCTRINE OF TRIANGLES,

In Two Books.

The first of which sheweth the construction of the Naturall, and Artificiall SINES, TANGENTS and SECANTS, and Table of *LOGARITHMS*: with their use in the ordinary Questions of Arithmetick, Extraction of Roots, in finding the Increase and Rebate of Money and Annuities, at any Rate or Time propounded.

The other, the use or application of the Canon of Artificiall SINES, TANGENTS and LOGARITHMS, in the most easie and compendious wayes of Resolution of all *TRIANGLES*, whether *PLAIN* or *SPHERICAL*.

The one Composed, the other Translated, from the Latine Copie written by *HENRY GELLIBRAND*, Sometime Professor of *ASTRONOMY* in *Gresham*-Colledge *London*.

A Table of LOGARITHMS to 100.000, thereto annexed, With the Artificial SINES and TANGENTS, to the hundred part of every Degree; and the three first Degrees to a thousand parts.

By JOHN NEWTON, *M. A.*

LONDON:
Printed by R. & W. LEYBOURN, and are to be sold by *George Hurlock* at *Magnus* Church corner, *Joshuah Kirton* at the Kings Arms, and *Thomas Pierrepont*, at the Sun in *Pauls* Church-yard, and *William Fisher* at the Postern neer Tower-Hill. *M DC LVIII.*

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TO THE MOST ILLUSTRIOUS LORD, THE LORD RICHARD CROMWEL,

My Lord,

COmmon Experience, and the decay of Trade, do ſufficiently demonſtrate how uſeful and neceſſary the Art of Navigation is, both in reſpect of the ſafety, and of the enrichment of the Common-wealth; to the knowledge whereof it is impoſſible that men ſhould attaine in any competent meaſure, unleſſe they firſt learn the Doctrine of Plain and Spherical Triangles; and there being but ſmall encouragement hitherto given, to thoſe that have, and doe ſtill beſtow their pains in this, for the publick good, we are not to wonder, if the moſt of our Sea-men, be not ſo well skilled as they ſhould in the Art they profeſſe; But your *Honour* having taken my Mother the Ancient and Famous Univerſity of *Oxford* under your protection, and given a general countenance to Learning, I

am almoſt perſwaded, that the cloud of Ignorance, which is ſpread as a fogge upon the Ocean; ſhall ſuddenly be diſpelled; in confidence whereof, I have taken upon me the boldneſſe, to preſent this enſuing Treatiſe to your *Honour*, and humbly begge that it and my ſelfe may be both ſhadowed under your wing, ſo will it I hope prove (in ſome meaſure) inſtrumental to propagate and increaſe the knowledge of this Art in our land, upon which the ſafety of our perſons, the advancement of our Trade, and general proſperity doth ſo much depend, other wayes of advancing this knowledge are not in my power, ſave onely to recommend the thoughts of it unto thoſe in Authority, amongſt whom, next unto his *Highneſſe*, I know none more able, nor yet, as I am perſwaded, more willing to promote it, then your ſelf; But this motion I fear from me, will be thought preſumption, I muſt begge your pardon therefore even for this, and hope that my good meaning will alſo procure it, and ſince good wiſhes are all I can contribute to, they never ſhall be wanting for, either my Countrey or them that defend it: and therefore do ſubſcribe my ſelf,

Your Honours to command,

JOHN NEWTON.

To the
READER.

THe *greateſt and moſt famous Kings and Philoſophers have with great expence both of time and treaſure, earneſtly inquired after the knowledge of the Starres, and of their daily motions and revolutions: And becauſe it is impoſſible to attain unto it; without the Doctrine of Plain and Spherical Triangles; the moſt of thoſe which have written of Aſtronomy, have alſo written of that Subject, according to whoſe Example, it was intended, that this Diſcourſe ſhould have been prefixed to my* Aſtronomia Britannica, *and theſe Tables annexed to it; but as the Tables could not well be brought into the volumn, ſo neither would they have been ſo ready for uſe by reaſon of their bulk, if they had been thereunto annexed, here therefore thou haſt them by themſelves, with an inſtitution proper to them, the firſt part whereof we need not acknowledge to be a Collection, or the latter a Tranſlation, thy own reading, (if thou art acquainted with Books of this nature) will inform thee of the firſt, and the Title it ſelf doth declare the latter, and yet ſomething perhaps thou mayeſt find in both, that is new unto thee.*

In the firſt part of this Inſtitution, thou haſt the conſtruction of the Natural Sines, Tangents, and Secants, fully enough explicated, without the labour

of

of Triſection and Quinſection, the which how excellent ſoever it is in it ſelf, yet is it neither ſo plain, nor expeditious, as the method here ſet down, and the ſine of the leaſt part of the Quadrant once obtained, the reſt of the Canon of Sines may in ſome ſort be ſaid to be made by Addition and Subſtraction onely, for although there is indeed a Multiplication uſed, yet the Multiplicator being ſtill the ſame, a Table ſhewing the ſeveral products thereof by the nine digits being made, the trouble of Multiplication is avoided, and the product found by Addition; And beſides this excellent and compendious way of making the Sines, the foundation whereof is borrowed from what Mr. Brigges *hath delivered in his* Trigonometria Britannica, Chap. 11. *You have here ſome other Problems of good uſe, which we found in* Cavalerius *his* Trigonometrie *in Italian, and to render the Conſtruction of our Canon the more compleat, the method of making a Logarithm by Multiplication is here propounded and explained from what Mr.* Brigges *hath ſpoken of it in his* Arithmetica Logarithmica, Chap. 5. *with an eaſie way of compleating a Table of Logarithmes, by their firſt, ſecond, and third differences, &c. by the ſame Authour, and in the* 13 *Chap. of that Book, and is by him uſed in the making both of the Natural and of the Artificial Sines, examples whereof in Natural Numbers, you may ſee in the* 12 *Chap. of his* Trigonometrie, *and of Artificial Numbers, in the* 5 *Chap. of the firſt hereof; with the uſe and application of the Table of Logarithmes of Abſolute Numbers, in the ſolution of ſome Queſtions in the ordinary parts of Arithmetick, Extraction of Roots, Intereſt and Rebate of Money and Annuities.*

In the ſecond part of this Inſtitution, thou art here preſented with Mr. Gellibrands Trigonometrie, *faithfully tranſlated from the Latin copy, that which the Authour himſelf publiſhed under this Title of* Trigonometria Britannica, *and not that which* Vlac *the Dutchman ſtiles* Trigonometria Artificialis, *from whoſe corrupt and imperfect copy*

that

that seemes to be translated, which is amongst us generally known by the name of Gellibrands Trigonometry, *but those who either knew him, or have perused his Writings, can testifie that he was no Admirer of the old Sexagenary way of working, nay, that he did preferre the Decimal way before it, as he hath abundantly testified in all the Examples of this his* Trigonometry, *which differs from that other which* Vlac *hath published, and that which hath hitherto borne his name in English, as in the form; so likewise in the matter of it; for in the two last mentioned Editions, there is something left out in the second Chapter of Plain Triangles, the third Chapter wholly omitted, and a part of the third in the Spherical, but in this Edition nothing, something we have added to both, by way of Explanation and Demonstration, a particular of which Additions, I shall here forbear to mention, all or the most material, being thus (☞) signed, that they may be distinguished from what the Authour himself hath published; which being formerly well accepted, though imperfect, cannot, as I perswade my self, be ill resented now; seeing it is more agreeable, and in some particulars, more plain and easie, if I say more perfect then is the Original; it will not I hope be ill taken, since some proportions are here demonstrated, which are there propounded onely, and illustrated by Example.*

And for these Additions, I am so far from begging of thy pardon, that I conceive my self to blame onely for this, for not presenting thee with more, there is nothing either in Mr. Brigges *his* Arithmetica Logarithmica, *or in that his Construction of the Natural and Artificial Canon, which doth in the Latin precede this* Trigonometry, *but is as well worthy the perusal, as what is here, onely the low esteem, that this kind of Learning, (how beneficial soever it hath hitherto, is still, and for ever shall be to this our Island, if Trade continue) makes me afraid of over-burthening thy purse; but if ever it come to be taught in Schooles, as the Stationer will be more encoura-*

ged

ged to print, so the Wealth of the Nation will be much increased; whereas now the idlenesse of our Grammar School-Masters and the ignorance of our Arithmetick Professors, is both our shame and disadvantage; for what between these two, and some other wants of due encouragement, the Lives as well as the Fortunes of many Heroick Persons are buried in the Deep; and much injustice daily committed by our common Manufactures both to others and themselves; now to prevent these inconveniences, these mischiefes rather, both to the publike and the private interest, Mathematical Learning will be serviceable, if either the opinion or the practise of the most Learned and Ancient Philosophers may be believed, or followed; to whose judgment, as I doe and think that I ought to subscribe; so is it my aime to perswade others either to subscribe with me, or to propound some other more probable meanes for the increase and advancement of the Common-Wealth.

JOHN NEWTON.

ERRATA.

Page 2, line 25, for G C, read B C, p. 2, l. 25, for G F r. C F, p. 2, l. 26, for G C r. B C, p. 5, l. 41, for A D, r. H D, p. 6, l. 30, for F and H, r. F and G, p. 6, l. 46, for A L, r. H L, p. 7, l. 19, r. drawn through, p. 11, l. 20, r. A D 89. 97, p. 22, l. 34, for present, r. represent, p. 69, l. 33, for the summe, r. the half summe, p. 69, l. 34, for the differ. r. the half differ. p. 69, l. 36, for Prop. 2, r. 22. p. 69, l. 37, for the summe, r. the half summe p. 69, l. 38, for the differ. r. the half differ. *Num.* 97589 *read* Log. .36081. *Num.* 99090 *read Log.* .02983.

TRIGONOMETRIA BRITANNICA:

The First Book.

CHAP. I.

Of the quantity of right lines, as they are relating to a Circle.

TRIGONOMETRY is a Doctrine, which sheweth by the Rule of Three, and the Proportions which the parts of a Triangle have one to another, three things in any Triangle being given, whether sides or angles, or both, how the other sides or angles unknown may be also found.

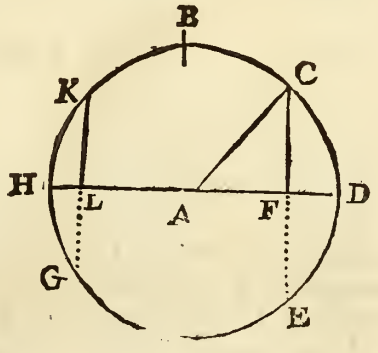
Now that the Proportions which the parts of a triangle have one to another may be certain, the arches of Circles (by which the angles of all Triangles, and of Spherical triangles the sides are also measured) must be first reduced into right lines, by defining the quantity of right lines, as they are applied to the arches of a circle. And right lines are applied to the arches of a circle three wayes: that is, either as they are drawn within the Circle, or without, or as they are drawn through it.

Of the quantity of Right lines within the Circle.

2 Right lines within the Circle are Chords and Sines.

3 A Chord or Subtense is a right line inscribed in a Circle, dividing the whole circle into two segments; and in like manner subtending both the Segments.

As in the annexed Diagram, the right line E C divideth the circle B C D E into the two segments C H E & E D C, and in like manner subtendeth both the segments; that is, the right line E C is both the chord of the arch E H C, and also the chord of the arch C D E.



4 A Sine is a right line in a semicircle falling perpendicular from the term of an arch.

5 A Sine is either right or versed.

6 A right Sine is a right line in a Semicircle, which from

the

the term of an arch is perpendicular to the Diameter, dividing the Semicircle into two ſegments, and in like manner referred to both.

As in the preceding Diagram, the right line C F from the term of the arch at C, is perpendicular to the Diameter H A D, and divideth the Semicircle H B C D into two ſegments, H B C and C D, and is the Sine either of the arch H B C greater then a quadrant, or of the arch C D leſſe then a quadrant.

Conſectary.

Therefore two unequal arches being propoſed together leſſe then a ſemicircle, the ſine of the difference of thoſe arches is alſo the ſine of the leſſer arch, and complement of the greater added together; and the ſine of the ſumme is the ſine of the difference of the leſſe, and complement of the greater. *Example.*

Let K B be the leſſer arch, and B D the greater, and let B C be equal to K B, then is C D the difference of the arches, and C F the ſine thereof, and alſo the ſine of H C, which is compoſed of B C the leſſer arch, and B H the complement of B D to a Semicircle. In like manner, K L is the ſine of K D the ſumme of the arches, and alſo of K H the difference between B C the leſſer arch, and B H the complement of the greater. And therefore alſo the Canon of Sines doth never exceed 90 degrees.

7 A right Sine is either *Sinus totus*, that is, the Radius, or whole Sine: or *Sinus ſimpliciter*, the firſt Sine, or a Sine leſſe then Radius.

As in the Triangle A C F, A C is the whole Sine, Radius, or Semidiameter, A F or C F is the *Sinus ſimpliciter*, the one whereof is alwayes the complement of the other to 90 degrees, we uſually call them Sine and Co-ſine

8 The right Sine of an arch, and the right Sine of its complement are in power equall to Radius.

Demonſtration. In the Triangle A C F of the preceding Diagram, the right line A F is the Sine of the arch G C, and the right line G F is the Sine of the arch C D, or the complement of G C to a Quadrant; now becauſe the Triangle A C F is right angled at F, therefore the ſquares of A F and C F are together equal to the ſquare of A C, by the 47 of the firſt of *Euclid*, as was to be proved.

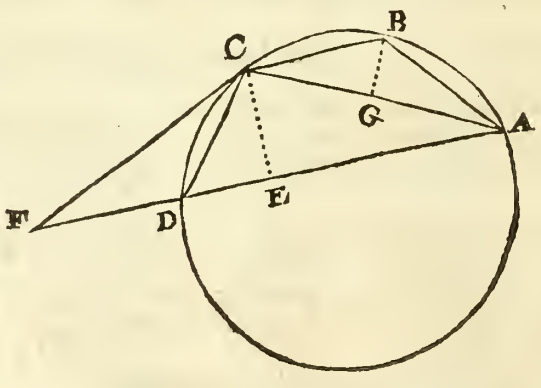
Conſectary.

Therefore the Radius and right Sine of an arch being given, the right Sine of the complement is alſo given, for the ſquare of the ſine given being deducted from the ſquare of Radius, the remainer is the ſquare of the ſine complement, and the root thereof is the ſine it ſelf.

Example. Let the Radius be A C 10, and let C F be the ſine of C D 6, then ſhall A F be 8, for the ſquare of C F 6 is 36, which being deducted from 100, the ſquare of A C Radius, the remainer is 64, whoſe ſquare root is the ſine A F 8.

9 Three arches equidifferent being propoſed, the ſquare of the mean is equal to the Rectangle made of the ſine of the leſſer arch, and of the ſum of the ſines of the firſt and third.

Demonſtration. Let the equi-different arches be A B, A C, & A D, then is B C the difference between A C and A B equal to C D the difference between A D and A C, and making F C equal to C A, if A D be extended to F, the angles C F D and B A C ſhall be equal, for the angles B A C, C A D, and C F D are equal by the work, and by the firſt of the firſt of *Euclid*, and the angles C D A and C B A are equal to two right, by the 22d. of the third of *Euclid*, therefore

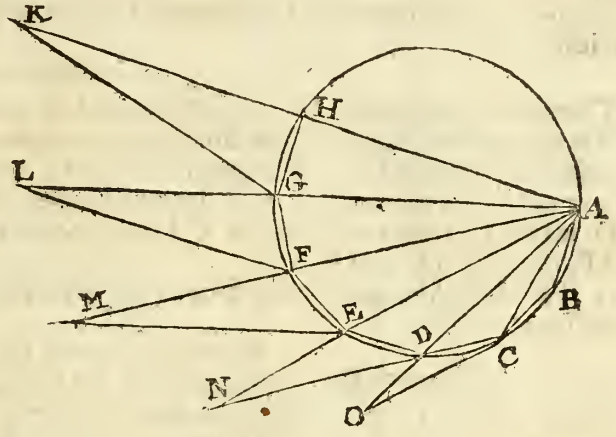


the angles F D C and C B A are equal, and the triangles A B C and C F D are equal alſo, by the fourth of the firſt of *Euclid*, and therefore C D being equal to C B, and F C to A C, by conſtruction, F D is alſo equal to A B, and F A is the ſumme of A B and A D. and the ſquare of A C is equal to the rectangle made of A B and A F: for, as A B . A C : : A C . A F.

10 The

10 The ſines of three equidifferent arches being given, the ſines of all equidifferent arches in the ſame rank are alſo given.

Demonſtration. In the annexed Diagram, let the arches A B, B C, C D, D E, E F, F G, and G H be equal, as alſo A C and C O, A D and D N, A E and E M, A F and F L, A G and G K equal, then ſhall A B and D O, A C and E N, A D and F M, A E and G L, A F and H K be alſo equal, by the laſt aforegoing, and H A equal to A F, by conſtruction; Now then,



As A L. A F :: A M. A E :: A N. A D.

Therefore,

A K. A G :: A M. A E. and

A K. A G :: A N. A D.

11 The ſum of the ſines of any two arches equally diſtant from 30 degrees, is equal to the co-ſine of the diſtance.

Demonſtration. In the preceding Diagram we have already proved, that as A G. A K :: A D : A N : and therefore if A G be Radius, and A D the ſine of 30 degrees. It will be,

As $\frac{1}{2}$ A G. $\frac{1}{2}$ *A* K :: *A* D. $\frac{1}{2}$ *A* K, Becauſe half the Radius is equal to the ſine of 30 degrees, and ſo *A* K or *A* N is the ſumme of the ſines of the arches equally diſtant from 30 degrees, now then if from A N you deduct A E the ſine of one of the arches, the remainer is E N equal to *A* C the ſine of the other arch; or the ſumme of *A* C and *A* E is equal to *A* N the co-ſine of E D or D C, the diſtance of the arches from *A* D the ſine of 30 degrees.

As ſuppoſe *A* E were 40 degrees, *A* C 20, then is *E D* or *D C* 10 degrees; now the ſum of the ſines *A C* 20, and *A E* 40 is equal to *A* H, or half *A* K 80, the co-ſine of *E D* 10 degrees.

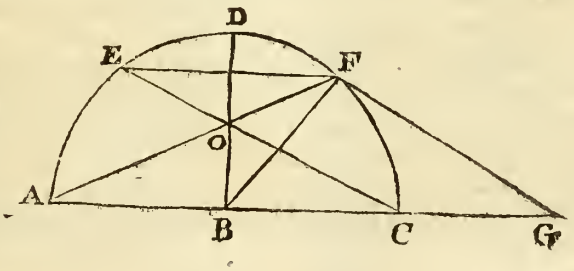
Example.

Let the arches equally diſtant from 30 be 11.75, and 48.25, each of whoſe diſtance from 30 is 18.25.

The Sine of 48.25 is	74605.73750,61700	
The Sine of 11.75 is	20364.17511,40177	
Sum is the Sine of 71.75	94969.91262,01877	The complement of 18.25, the diſtance.

12 If the ſubtenſe of an arch be added to the diameter, their ſum ſhall be the ſquare of the ſubtenſe of the arch given, and half the complement thereof to a ſemicircle.

Demonſtration. Let *A C* be the diameter, F E the ſubtenſe given equal to *C G*, I ſay then, that *A G* is the ſquare of A F, the ſubtenſe of the arch A E F equal to F E the ſubtenſe given, and A E the half complement thereof to a Semicircle; for E F and *C G* being equal and parallel, by the Propoſition, the angles *E C A* and *F G A* are equal, by the 29 of the firſt, and *F G A* and *F A G* are equal by the 5 of the firſt, and therefore the triangles B A F and F A G are like, and their ſides proportional, by the fourth of the ſixt Book of *Euclid*, and therefore A B. A F :: A F. A G; and ſeeing that the Radius A B is but an Unit by ſuppoſition, A B is the ſide, and A G the ſquare thereof.



Conſectary.

Therefore the ſubtenſe of an arch being given, the ſubtenſe of an arch compoſed of the arch given, and of half his complement to a ſemicircle is given alſo. For by this Propoſition A G equal to A C and E F is alſo equal to the ſquare of *A F*, the ſubtenſe of the arch E D F, and E A the half complement of E D F to a Semicircle, and the Root is *A* F, the ſubtenſe ſought.

13 A verſed ſine is a right line in a Semicircle perpendicular to the right Sine of the ſame arch.

Thus (in the firſt Diagram of this Chapter) F D is the verſed Sine of the arch C D, being

perpendicular to the right Sine C F; and H F (for the same reason) is the versed sine of the arch H B C, the complement of C D.

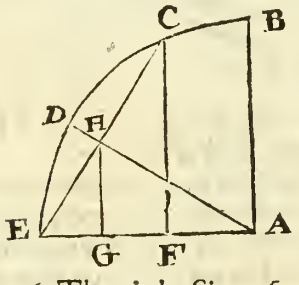
14 The versed Sine of an arch, and the right Sine of its complement are equal to the Radius.

As (*in the first Diagram of this Chapter*) F D the versed sine of C D and A F are equal to A D Radius.

Corollary.

Therefore the Radius and sine complement of an arch being given, the versed sine of that arch is also given, for the right Sine of the complement being deducted from the Radius, the remainer is the versed sine of an arch lesse then a quadrant; or being added to the Radius, their aggregate is the versed sine of an arch greater then a quadrant. Thus A F deducted from A D, leaves F D, the versed sine of C D, or being added to H A, equal to A D, their aggregate is H F, the versed sine of H B C.

15 The right Sine and versed Sine of an arch are together equal in power to the subtense of the same arch.



As in the annexed Diagram the right Sine C F, and the versed Sine E F, with the subtense E C, do make a right angled Triangle, and therefore the square of C F and E F are together equal to the square of E C, *by the 47 of the first of Euclid*, as was to be proved.

Corollary.

Therefore the right Sine and versed Sine of an arch being given, the sine of half that arch is also given; for E H the half of the subtense E C is the sine of E D the half of the arch E D C.

16 The right Sine of an arch is a mean proportional between the Semi-radius, and the versed Sine of the double arch.

Demonstration. In the preceding Diagram let E D be the arch given, the double whereof is E C, and the angles E F C and A H E are right, and the angle at E common to both the triangles E C F and E H A, and therefore they are like, and their sides proportional, *by the fourth of the sixt.* that is, A E . E C :: E H . E F. And again, A E . E C :: ½ A E . ½ E C, that is, E H. Therefore ½ A E . E H :: E H . E F, as was to be proved.

1 *Corollary.*

Therefore the Semi-Radius and right Sine of an arch being given, the versed Sine of the double arch is given also: For, As the Semi-Radius is to the right Sine of the arch given; so is the right Sine of the arch given to the versed Sine of the double arch.

2 *Corollary.*

The Semi-Radius and versed Sine of an arch being given, the right Sine of half that arch is also given: For the rectangle made of the versed sine and half the Radius is equal to the square of the right sine of half the arch.

17 The rectangle of the sine and sine complement of an arch is equal to the rectangle of half the Radius, and the sine of the double arch.

Demonstration. In the preceding Diagram, E H is the sine of E D, and H A the sine of D B, or complement of E D, and C F is the sine of E D C the double arch. Now H G being perpendicular to the Radius A E, the triangles H A E and H A G are like, *by the eighth of the sixt*, and their sides proportional, *by the fourth of the sixt of Euclid*; that is, A E . E H :: A H . H G, the half of C F. Therefore, A E . ½ A E :: C F . H G, the half of C F; and therefore the rectangle of A H and H E is equal to the rectangle of ½ A E and C F, which was to be proved.

Corollary.

Therefore the sine of the simple and double arches being given, the sine complement of the simple arch is also given. For as E H the sine of the simple arch, is to the half of Radius; so is C F the sine of the double arch to H A the sine complement of H E.

18 The co-sine of the half sum of two arches together lesse then a Semicircle, is to the difference of the sines, as the half Radius is to the sine of half the difference.

Demonstration. Let the given arches (*in the following Diagram*) be D F and F E, their sines are D M and E N, and D L is the difference of those sines, E F H is the summe of the given arches, and D E their difference; Now then in the triangle D L E, as

Rad. D E :: s E . D L, and therefore also, ½ Rad. ½ D E :: s E . D L, the difference of the sines.

19 The

19 The right sines of the half sum and half difference of two arches are mean proportionals between the whole Sine and the half difference of the versed sines.

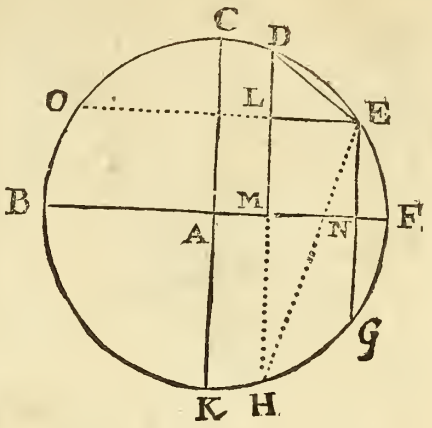
Demonstration.

Let the given arches be D F and F E, and their versed sines M F and F N, their difference is M N, equal to L E and E F H is the summe of the arches given, D E their difference: Now then in the Triangle D L E, it is as

Rad. D E :: s D. L E.

And also,

Rad. ½ D E :: s D. ½ L E.

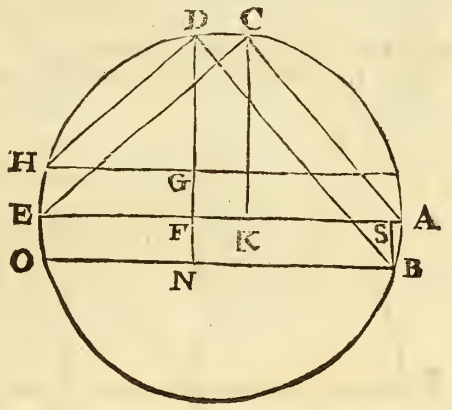


20 The sine of the summe of two arches together lesse then a Semicircle, is to the difference of the Sines; as the sine of the half summe is to the sine of the half difference.

Demonstration. In the Circle A D E, let the given arches be D E and D C, and let the right lines C K and D F be perpendicular to the diameter A E, and the arches E O, E H, and A B equal to D C, then are the triangles E C K and H D G like, because of their parallel sides E C and H D, and their right angles at G and K, then is C K the sine of the summe, and D G the difference of the sines: Now then,

As ½ E C the sine of the half summe, is to ½ H D, the sine of the half difference:

So is C K, the sine of the summe; to D G, the difference of the sines.



21 The sine of the half summe of two arches together lesse then a semicircle: is to the sine of the half difference, as the summe of the sines, is to the sine of the difference.

Demonstration. In the preceding Diagram, let the given arches be A D and D C, then is D B the summe of the arches, and A C their difference, D N is the summe of the sines, and C K the sine of the difference: now then the triangles D B N and A C K are like, because of their right angles at N and K, and their parallel sides D B and A C, therefore,

As ½ D B. ½ C A :: D N. C K, as was to be proved.

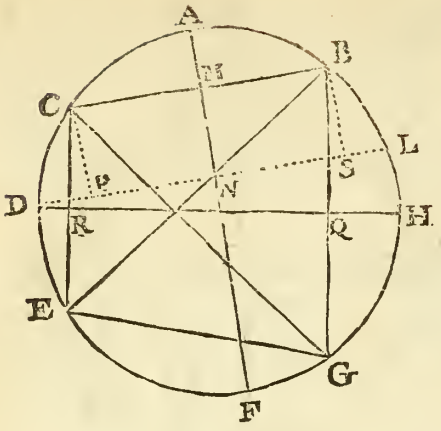
22 The sine of the summe of two arches together lesse then a semicircle, is to the summe of the sines, as the co-sines of the half summe of the same arches, to the co-sine of half their difference.

Demonstration. Let the given arches be D E and D C, then is C K the sine of the summe of the arches E D C, and D N the sum of the sines, C A is the complement of C E, and D B is the complement of A D, because H D B is a Semicircle, And as

½ C A. ½ D B :: C K. D N, as was to be proved.

23 The rectangle under the sine of the summe and the sine of the difference of two arches together lesse then a semicircle, is equal to the rectangle made of the summe and difference of the sines.

Demonstration. Let the given arches be D A and A B, and from the points at D and A draw the diameters D H and A F, let D E be equal to D C, and E G equal to C B, and from D let fall the perpendicular D N, which let be continued to L, and from the points C and B let fall the perpendicular C P and B S, then are the arches C *E* and B G bi-sected by the Diameter D H, in the points R and Q: Therefore B Q shall be the sine of the summe of the arches B A and A D, and C R the sine of C D the difference; D N the sine of D A, and N S equal to M B, the sine of A B, and therefore D S is the summe, and D P the difference of the sines D A and A B: now then in the Quadrilateral Figure C *E* G B, the rectangle made of C *E* and G B, with the rectangle made of C B and *E* G is equal to the rectangle made of *E* B and C G, *Oughtred Clavis Mathemat. Chap.* 18. *Th.* 17. and *E* G and C B being equal (by construction) and C *E* common to both,



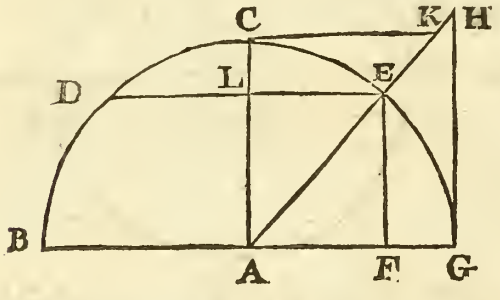
both, the arch G E C is also equal to the arch E C B; and because that the arch B L is equal to E D, the arch D B L is equal to E D B; and by consequence D L is equal to E B, and the rectangle made of C E and B G with the square of C B, shall be equal to the square of D L, and therefore also the rectangle of C R and B Q, with the square of C M or P N is equal to the square of D N; for that P S is bi-sected in N, and joyned to D P, if you take away the common square P N, there shall remain the rectangle of B Q in C R, the sine of the summe and difference of the arches B A and A D equal to the rectangle made of S P and D P, the summe and difference of the sines, as was to be proved.

Of the quantity of Right lines without the Circle.

24. The right lines without the Circle, whose quantity we are to define, are such as touch the circle, and are called Tangents.

25 The tangent of an arch is a right line perpendicular from the end of the diameter to the Radius continued through the term of that arch, of which it is the tangent.

As in the annexed Diagram, the tangent H G is perpendicular from the end of the Diameter B A G, to the Radius A E continued through the term of the arch E G unto H, agreeing both to the arch E G, and to its complement to a Semicircle B C E.



26 As the sine complement of an arch, is to the sine thereof, so is Radius to the tangent of that arch.

Demonstration.

In this Diagram, the Triangles A E F and A H G are like, because of their right angles at F and H, and their common angle at A.

Therefore, A F . E F : : A G . H G, the tangent of the arch E G, as was to be proved.

Consectary.

Therefore the sine and sine complement of an arch being given, the tangent and tangent complement of the same arch is also given. For if A F be the sine of 49 degrees, and E F the sine of 41, H G shall be the tangent of 41 degrees; but if A F be 41 degrees, and E F 49, H G shall be the tangent of 49 degrees, or the tangent complement of 41.

27 The Radius is a mean proportional between the tangent and the tangent complement of an arch.

Demonstration. In the preceding Diagram, let H G be the tangent of the arch E G, and C K the tangent of the arch C E, or complement of E G; the triangles A L H and A C K are like, because of their right angles at L and C, and their common angle at A. Therefore as A L, equal to H G, the tangent of the arch E G, is to L H equal to A G Radius: so is A C Radius, to C K the tangent of C E, or complement of the arch E G, as was to be proved.

Consectary.

Therefore the tangent of an arch being given, the tangent complement is also given by Division onely. For if the rectangle of A C and A L, that is, the square of Radius, be divided by H G, the quotient shall be C K, the tangent complement of E G.

28 Two unequal arches being proposed, each lesse then a Quadrant, the summe of their tangents is to their difference, as the sine of their summe, to the sine of their difference.

Demonstration.

Let the given arches be H D and D B, from the center A draw A D, and through the point D draw

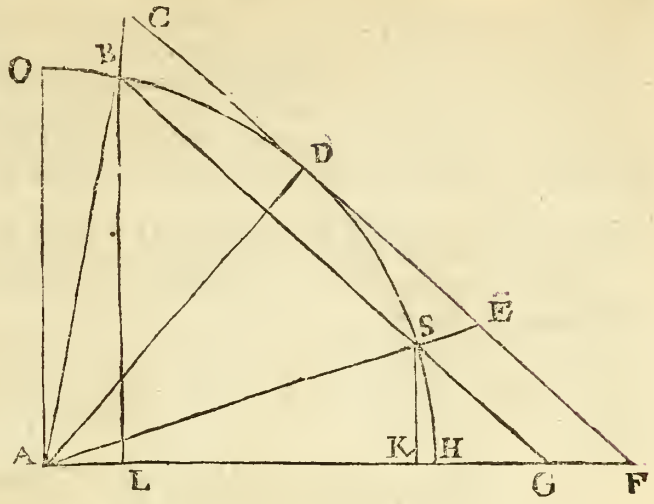
draw C F : let A H be prolonged to F, and A B to C, and the arch D S equal to D B ; let A S be prolonged to E, and draw B S to G, then is B L the sine of B H, and S K the sine of S H, and B G parallel to C F : and therefore,

C F . F E :: B G . G S.

And becauſe the triangles B G L and S G K are like, therefore

B G . G S :: B L . S K.

And therefore alſo, As C F, the ſumme of the tangents, is to F E, the difference ; ſo is B L the ſine of the ſumme, to S K, the ſine of the difference.



Of the quantity of Right lines drawn through the Circle.

29 The right lines drawn through the circle, whoſe quantity we are to define, are ſuch a cut the circle, and are called Secants.

30 The ſecant of an arch is a right line drawn the term of an arch, to the tangent-line, and agreeth to the arch of the circle cut thereby, and to the complement of that arch to a ſemicircle. Thus (in the Figure of the 25*th.* hereof) the ſecant A H is drawn through the term of the arch E G: to the tangent H G, and agreeth both to the arch E G, and to the arch B C E, the complement of E G to a ſemicircle.

31 Radius is a mean proportional between the right ſine of an arch, and the ſecant of its complement.

Demonſtration. In the Diagram of the 25*th.* hereof, the triangles A E F and A H G are like, becauſe of their right angles at F and G, and their common angle at A. Therefore,

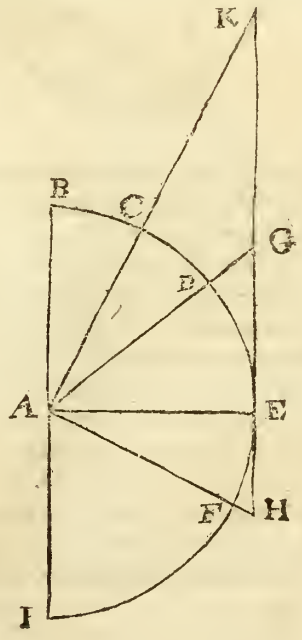
A F . A E : : A G . A H. as was to be proved.

Conſectary.

Therefore the right ſine of an arch being given, the ſecant of its complement is alſo given. For if A F be the ſine of 49 deg. A H ſhall be the ſecant of 41, by this Propoſition.

32 The ſecant of an arch is equal to the tangent of the ſame arch and the tangent of half his complement.

Demonſtration, Let D E be the arch given, A G the ſecant, G E the tangent, B D the complement of D E, and B C the half of B D equal to E F, whoſe tangent is E H : Now becauſe that G A H and C A E are equal, by conſtruction ; as alſo the angles E A H and C A B ; therefore the angle E H A or G H A is the complement of E A H, and equal to C A E, and becauſe the angles at A and H, in the triangle G A H are equal, the ſides A G and G H are equal alſo, *by the fifth of the firſt Book of Euclid*, therefore the ſecant A G is equal to G E, the tangent of the arch E D, and E H the tangent of half its complement, as was to be proved.



33 The ſecant of an arch added to the tangent of the ſame arch, is the tangent of that arch, and of half his complement added together.

Demonſtration.

In this Diagram the angles A K E and B A C are equal, for B A C is the complement of C A E, and equal to the angle K A G by conſtruction ; and therefore the angles K A G and A K G are equal, and A G equal to K G, *by the fifth of the firſt book of Euclid*, and A G and E G are equall to K G E, as was to be proved.

34 The difference between the secant of an arch and the tangent of the same arch is equal to the tangent of half the complement.

Demonstration. In the preceding Diagram, A G the secant of E D, is equal to E G, the tangent of E D, and E H the tangent of E F half the complement of E D, by the 32. hereof; therefore E G the tangent of E D being deducted from A G the secant of E D, their difference is E H, the tangent of half his complement, as was to be proved.

And thus the quantity of right lines, as they are applied to a circle, is demonstrated, as well of such as are drawn without and through the circle, as of such as are drawn within: It remaineth now, that we shew their use both in the construction of the *Canon of Triangles*, and in the solution of them.

CHAP. II.

Of the construction of the Canon *of* Triangles.

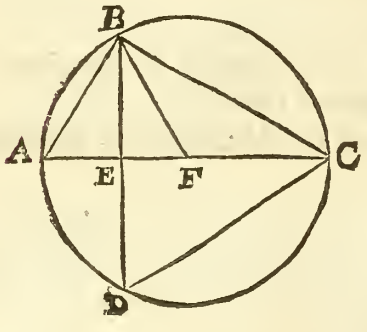
A Canon of Triangles is that which containeth the Sines, Tangents, and Secants of all degrees and parts of degrees in a Quadrant, according to a Diameter, or measure of a Circle assumed.

2 The Diameter of a Circle is (by supposition) a binary number, with as many Ciphers thereunto annexed, as you desire a Table of Sines should consist of places.

3 The right Sines as they are to be considered, in order to their construction, are either primary or secondary.

4 The primary Sines are those by which the rest are found: and thus the Radius or whole Sine is the first primary Sine, and is equal to the side of a six-angled Figure inscribed in a Circle.

Demonstration. In the annexed Diagram, let the right line A B represent the side of a six-angled figure, then are the right lines A F and F B equal, for they are two Radii, by the work, and therefore the angles at A and B are equal, *by the fifth of the first book of Euclid*, and A B 60 degrees, the measure of the angle at F, or the complement of the other two to a Semicircle, *by the 32. of the first Book of Euclid*, and therefore the angles at A and B being equal, each of them is also 60 degrees, because three times 60 is 180, and consequently A B is equal to A F, as was to be proved.



Consectary.

The Radius of a Circle being given, the sine of 30 degrees is also given; for, by this Proposition, the Radius of a Circle is the subtense of 60 degrees, and the half thereof is the sine of 30, and therefore the Radius A B or A F being 10000, the sine of 30 degrees is 5000.

5 The other primary sines are the sines of 60, 45, 36, 18, and 12 degrees, being the half of the subtenses of 120, 90, 72, 36, and 24 degrees.

6 The subtense of 120 degrees is the side of an equilateral triangle inscribed in a Circle, and in power equal to the triple Radius.

Demonstration. In the preceding Diagram A B is the Radius or subtense of 60 degrees, B C the complement of A B to a Semicircle, or side of an equilateral triangle 120 degrees, and A C the diameter, whose square being equal to the squares of A B and B C, *by the 47 of the first*, the square of A B being deducted from the square of A C, the remainer is the square of B C, and A C being 2000, the square is 4000.000, and A B being 1000, the square is 1000.000, and their difference is 3000.000, or thrice Radius square, as was to be proved. And the square root of 3000.000 is B C 1732050, the subtense of 120 deg.

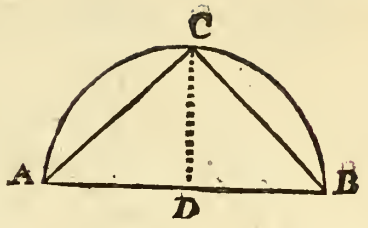
7 The subtense of 90 degrees is the side of a square inscribed in a Circle, and in power equal to the Diameter, or twice Radius.

Demonstration.

In the following Figure, let the sides A C and C B be equal, and then is the angle A C B subtended by the Diameter A B, a right angle, *by the 20 of the third Book of Euclid*, and the square of A B equal to the squares of A C and C B, *by the 47 of the first book of Euclid*, and A C and

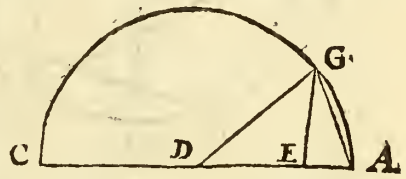
C B

C B being equal, by the work, their ſquares are alſo equal, and half the ſquare of A B equal to the ſquare of A C or C B; now then the Diameter A B being 2000, the ſquare is 4000.000, and the half thereof is the ſquare of A C, *viz.* 2000.000, whoſe ſquare root is the ſubtenſe of A C 14142, as was to be proved.



8 The ſubtenſe of 36 deg. is the ſide of a Decangle inſcribed in a circle, or the greater ſegment of a Hexagon divided into extream and mean proportion.

Demonſtration. In the annexed Diagram, let A G be the ſide of a Decangle inſcribed in a circle, A D the Radius or ſide of a Hexagon, then is C G four times as much as A G, and the double meaſure of the angle C A G; and becauſe the ſides A D and D G are equal, the angles D A G and A G D are equal, *by the 5 of the firſt*, and either of them double to the angle A D G and the angle A G D being bi-ſected by the right line E G, the angles E G D or E G A ſhall either of them be equal to the angle A D G, and therefore E D and E G are equal, *by the 5 of the firſt*, and the triangles A G D and A E G like, becauſe of their common angle at A, and their equal angles A G E and A D G, as before; therefore A G is equal to E G, *by the 5 of the firſt*, and E G equal to E D, as before, and their ſides proportional, that is, AD:AG::A G.A E. Or thus, A D . E D :: E D . A E; and ſo A D the ſide of a Hexagon is divided into extream and mean proportion, the ſquare of E D the mean being equal to the rectangle of A D and E A both the extreams, and E D the greater ſegment is equal to A G, the ſide of a Decangle, as was to be proved.

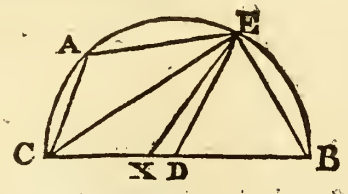


Conſectary.

The ſide of a Hexagon or Radius being given, the ſide of a Decangle or ſubtenſe of 36 deg. is alſo given; for *by the 19 of the ſecond*, the Semi-radius being deducted from the ſquare root of the ſquares of Radius and the half Radius added together, the remainer is the ſide of a Decangle.

9 The ſubtenſe of 72 degrees is the ſide of a Pentagon inſcribed in a circle, and in power equal to the difference between the ſide of a Decangle, and the Diameter, multiplied by the Radius of a Circle.

Demonſtration. In the annexed Diagram, let A C be the ſide of a Decangle equal to C X in the diameter, and let the reſt of the ſemicircle be bi-ſected in E, then ſhall either of the right lines A E or E B repreſent the ſide of an equilateral Pentagon; for A C the ſide of a decangle ſubtends an arch of 36 degrees, the tenth part of a circle, and therefore A E B the remainer is 144 deg, the half whereof A E or E B is 72, the fift part of a circle, or ſide of an equilateral pentagon, the ſquare whereof is equal to the Oblong of D B and B X. For A C being equal to C X, by conſtruction, and E C common to both, A E is alſo equal to X E, the angle A C E equal to E C X, and and A E C equal to X E C, *by the 5 of the firſt book of Euclid*, and therefore the triangles A C E and E C X are equal, and equiangled, and E X being equal to A E, it is alſo equal to E B, and ſo the triangle E X B is equicrural, and ſo is the triangle E D B, becauſe the ſides E D and D B are Radii, and the angles at their baſes X and B, E and B are equal, *by the 5 of the firſt Book of Euclid*, and the angle at B common to both, therefore the triangles E X B and E D B are equiangled, and their ſides proportional; that is, D B . E B :: E B . X B. and X B the difference between the Diameter C B and C X, the ſide of a Decangle, being multiplied by D B Radius, is equal to the ſquare of E B, the ſide of a Pentagon, as was to be proved.

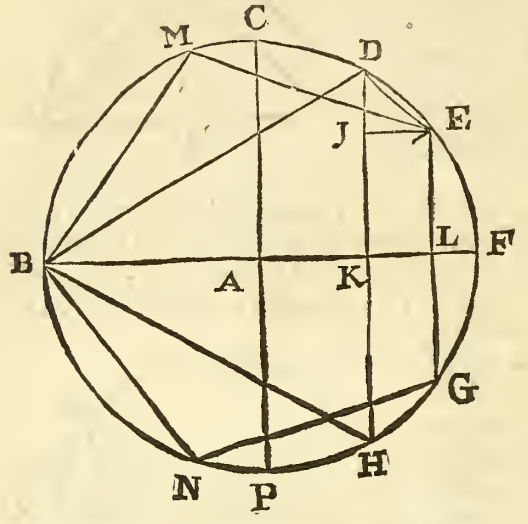


Conſectary.

The ſide of a Decangle being given, the ſide of a Pentagon is alſo given; for, by this Propoſition, C X the ſide of a Decangle being ſubtracted from the Diameter C B, the difference X B multiplied by D B Radius, is the ſquare of E B, the ſide of a Pentagon, whoſe ſquare root is the ſide it ſelf.

10 The ſubtenſe of 24 degrees is the ſide of a Quindecangle, or a right line inſcribed between the baſis of a triangle and a Quinquangle, one of the angles in each figure meeting in the ſame point of the Circumference.

Demonſtration. In the annexed Diagram D H is the baſe of an equilateral triangle, E G the baſe of a Quinquangle. Now then D B being the third part, or five 15 of a circle, and B N E ſix 15, it followeth, that D E is one 15 part of the ſame circumference inſcribed between the baſe of the triangle D H, and of the quinquangle E G, both figures having an angle in the ſame point B, as was to be proved.



Conſectary.

Therefore the ſides of a triangle and a quinquangle being given, the ſide of a quindecangle is alſo given: For if D K H the ſide of a triangle be 17320.50807.568877, as by the *6th.* hereof. And E L G, the ſide of a quinquangle, 11755. 70504.5[illegible]4946, as by the laſt aforegoing, D K, the ½ of D H will be 86600.25403.784438, and E L the ½ of E G will be 5877.85257.292473, and their difference is D I 2782.40146.491965. A K the co-ſine of D K will be 5000.00000.000000. A L the co-ſine of E L will be 8090.16994. 374947, and their difference is K L, or I E 3090.16994.374947. and in the triangle D I E, the ſides D I 2782.40146.491965, and I E 3090.16994.374947 being given, the ſide D E is alſo given 4158.23381.635518, *by* 47 *of the* 1. *Book of Euclid.*

11 Having thus found theſe primary Sines, the ſecondary Sines, or all the Sines remaining, are thus to be ſought: By the 8 Probleme of the ſecond hereof, ſeek the co-ſine of 12 deg. and then, by the 15 or 16 Problemes of the ſecond hereof, ſeek the Sine of 6 degr. and the co-ſine of 6, by the 17 of the ſecond; and in like manner, the Sines and Co-ſines of 3 degr. 1 deg. 50 centeſmes, 75 centeſmes, 375 milleſimals, 1875 parts of a degree, and ſo the half continually, as far as you pleaſe. Theſe few following we deem ſufficient for our preſent purpoſe: for that by theſe the Sine of one centeſm may be exactly enough found, as by the work it ſelf it doth appear.

The ſide of	A Triangle or ſubtenſe of 120 degr.	17320.50807.56888
	A Decangle or ſubtenſe of 36 deg.	6080.33988.74989
	A quinquangle or ſubtenſe of 72 deg.	11755.70504.58494
	A quindecangle or ſubtenſe of 24 deg.	4158.23381.63552

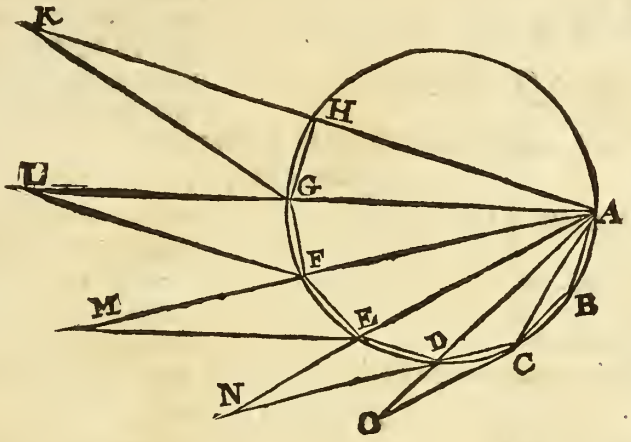
	The Sines and	*Co-ſines.*
Deg. *parts*		
12. 00	20791.16908.17759	97814.76007.33806
6. 00	10452.84632.67654	99452.18953.68273
3. 00	5233.59562.42944	99862.95347.54574
1. 50	2617.69483.07873	99965.73249.75557
0. 75	1308.95955.71345	99991.43275.74007
0. 375	654.49379.67353	99997.85816.63997
0. 1875	327.24865.06526	99999.46453.37106
0. 09375	163.62454.43624	99999.74390.38864
0. 046875	81.81229.95607	99999.95418.80505
0. 0234375	40.90615.32028	99999.99016.33410
0. 01171875	20.45307.70292	99999.99790.83831

From the Sine of 0 deg. 01171875 parts of a degree, the Sine of one centeſm is thus found by the Rule of proportion:

As 0 deg. 01171875 parts of a degree, Is to the Sine thereof 20.45307.70292:
So is one centeſm, To the Sine thereof, 17.45329.23982.
And the Co-ſine, (by the 8. of the firſt hereof.) 99999.99847.69129

12. The

12. The Sine and Sine-complement of one centesm being thus found, the rest of the Canon of Sines may be computed, *by the 10th. of the first*, in this manner.



Let A G represent the Radius, A H or A F the Sine of 89 deg. 99 centesmes, then,
As A G Radius, Is to A K, the double of A H: So is A F, to A L, the sum of A G & A E,
From which deducting A G Radius, the remainer is A *E*, the sine of 89.98 centesms.

Illustration by Numbers.

As the Radius A G	10000.00000.000
Is to A K:	19999.99969.538258
So is A F,	9999.99984.769129
To A L.	19999.99939.076517
The Radius A G *Substract*	10000.00000.000000
There rests L G,	9999.99939.076517

equal to A *E*, the Sine of 89 degr. 98 centesms.

2 *Example.*

As the Radius A G,	100000.00000.00000
Is to A K	199999.99695.38258
So is A *E*	99999.99390.76517
To A M.	199999.98476.91293
A F 98.99 *Substract*	99999.99847.69129
Rests F M, equal to A D 98.97.	99999.98629.22164

3 *Example.*

As the Radius A G	100000.00000.00000
Is to A K:	199999.99695.38258
So is A *D* 98.97	99999.98629.22164
To A N	199999.96953.82591
A *E* *Substract*	99999.99390.76517
Rests *E* N equal to A C 89.96.	99999.97563.06074

4 *Example.*

As the Radius A G	100000.00000.00000
Is to A K:	199999.99695.38258
So is A C 89.96	99999.97563.06074
To A O	199999.94821.50413
A D *Substract*	99999.98629.22164
Rest D O equal to B C 89.95	99999.96192.28249

And in this manner we might proceed to the end of the Canon, bnt intending to shew some other abbreviations, we will compute no more then may serve as an Introduction to such a Canon of Natural Sines as is here printed: having thus therefore found the sine of 89 degrees, 95 Centesmes, we will from thence compute the Sines of 89.90 Centesmes, 89.85 Centesmes, 89.80 Centesmes, and of 89 degrees, 75 Centesmes.

First, for the fine of 89 deg. 90 cent.

Let AF be the fine of 89.95, then is the double thereof equal to AK, hence to find AE 89.90, I fay

As the Radius A G	100000.00000.00000
Is to A K:	199999.92384.56498
So is A F, 89.95	99999.96192.28249
To A L.	199999.84769.13288
The Radius A G *Subſtract*	100000.00000.00000
There reſts L G,	99999.84769.13288

equal to A *E*, the Sine of 89 degr. 90 centeſms.

2. *To finde A D* 89.85.

As the Radius A G,	100000.00000.00000
Is to A K	199999.92384.56498
So is A *E* 89.90	99999.84769.13288
To A M.	199999.61922.84234
A F *Subſtract*	99999.96192.28249
Reſts F M, equal to A D 89.85.	99999.65730.55895

3. *To finde A C* 89.80.

As the Radius A G	100000.00000.00000
Is to A K:	199999.92384.56498
So is A *D* 89.85	99999.65730.55895
To A N	199999.23845.71078
A *E* *Subſtract*	99999.84769.13288
Reſts *E* N equal to A C 89.80.	99999.39076.57790

4. *To finde A B* 89.75.

As the Radius A G	100000.00000.00000
Is to A K:	199999.92384.56498
So is A C 89.80	99999.39076.57790
To A O	199998.69817.76719
A D *Subſtract*	99999.65730.55985
Reſt D O equal to B C 89.75	99999.04087.20734

And having thus found the fine of 89 deg. 75 cent. we may from hence compute the fines of 89 deg. 50 cent. 89 deg. 25 cent. 88 deg. and ſo forwards, to the fourth part of every degree in the Quadrant: howbeit the Sines of the fourth part of the 45 laſt degrees is ſufficient for our purpoſe, of which for further illuſtration we have added theſe examples following:

First for the fine of 89 deg. 50 cent.

Let A F be the fine of 89 deg. 75 cent. then is the double thereof equal to A K. Hence to finde A E 89.50.

As the Radius A G	100000.00000.00000
Is to A K;	199998.08174.41468
So is A F	99999.04087.20734
To A L	199996.19230.64171
Radius A G *Subt.*	100000.00000.00000
Reſt G L equal to A E, the fine of 89.50.	99996.19230.64171

2. *To finde A D* 89.25.

As the Radius A G	100000.00000.00000
Is to A K,	199998.08174.41468
So is A E	99996.19230.64171
To A M.	199990.47362.94741
A F *Subtract*	99999.04087.20734
Reſt F M equal to A D, the fine of 89.25.	99991.43275.74007

And hence the fine of 0 deg. 75 cent. the complement thereof, *by the* 17th *of the firſt*, is thus found.

As the fine of 89.25	99991.43275.74007
Is to the fine of 1.50.	2617.69483.07873
So is the $\frac{1}{2}$ Rad. or fine of 30 deg.	50000.00000.00000
To the fine of 0 deg. 75 cent.	1308.95955.71336

Which is ſo neer to that before found by biſection, that we may conclude that the fine 0 *d.* 1 *cent.* was exactly enough found, as alſo the other fines that are by this method computed from it.

A Table

A Table of Sines to every fourth part of the last 45 Degrees in the Quadrant.

	0	25	50	75
45	70710.67811.86548	71018.53756.23285	71325.04491.54182	71630.19434.24654
46	71933.98003.38651	72236.39620.59756	72537.43710.12288	72837.09698.82400
47	73135.37016.19171	73432.25094.35686	73727.73368.10124	74021.81274.86832
48	74314.48254.77394	74605.73750.61700	74895.57207.89002	75183.98074.78977
49	75470.95802.22772	75756.49843.84050	76040.59656.00031	76323.24697.82529
50	76604.44431.18978	76884.18320.73460	77162.45833.87720	77439.26440.82186
51	77714.59614.56971	77988.44830.92882	78260.81568.52414	78531.69308.80745
52	78801.07536.06722	79068.95737.43843	79335.33402.91235	79600.20025.34622
53	79863.55100.47293	80125.38126.91061	80385.68606.17217	80644.46042.67483
54	80901.69943.74947	81157.39819.65012	81411.55183.56319	81664.15551.61679
55	81915.20442.88992	82164.69379.42164	82412.61886.22016	82658.97491.27189
56	82903.75725.55042	83146.96123.02545	83388.58220.67168	83628.61558.47760
57	83867.05679.45424	84103.90129.64393	84339.14458.12886	84572.78217.03973
58	84804.80961.56426	85035.22249.95563	85264.01643.54092	85491.18706.72947
59	85716.73007.02112	85940.64115.01453	86162.91604.41526	86383.55052.04396
60	86602.54037.84439	86819.88144.89142	87035.56959.39900	87249.60070.72797
61	87461.97071.39396	87672.67557.07508	87881.71126.61965	88089.07382.05385
62	88294.75928.58927	88498.76374.63042	88701.08331.78222	88901.71414.85736
63	89100.65241.88368	89297.89434.11137	89493.43616.02025	89687.27415.32688
64	89879.40462.99167	90069.82393.22588	90258.52843.49861	90445.51454.54368
65	90630.77870.36650	90814.31738.25081	90996.12708.76543	91176.20435.77089
66	1354.54576.42601	1531.14791.19447	1706.00743.85124	1879.12101.48898
67	2050.48534.52440	2220.09716.70452	2387.95325.11287	2554.05040.17566
68	2718.38545.66787	2880.95528.71924	3041.75679.82025	3200.78692.82799
69	3358.04264.97202	3513.52096.86022	3667.21892.48398	3819.13359.22484
70	3969.26207.85908	4117.60152.56370	4264.14920.92178	4408.90203.92784
71	4551.85755.99317	4693.01294.95106	4832.36552.06200	4969.91262.01877
72	5105.65162.95154	5239.57996.43278	5371.69507.48227	5501.99444.57187
73	5630.47559.63036	5757.23608.04825	5881.97348.68293	6004.98543.85929
74	6126.16959.38319	6245.52364.53647	6363.04532.08623	6478.73238.28823
75	6592.58262.89068	6704.59389.13943	6814.76403.78108	6923.09097.06754
76	7029.57262.75997	7134.20698.13262	7236.99203.97677	7337.92584.60448
77	7437.00647.85235	7534.23205.08513	7629.60071.19933	7723.11064.62679
78	7814.76007.33806	7904.54724.84584	7992.47046.20830	98078.52804.03230
79	98162.71834.47664	98245.03977.25510	98325.49075.63955	404.06976.46291
80	480.77530.12208	555.60590.58078	628.56015.37231	699.63665.60232
81	768.83405.95138	836.15104.67761	901.58633.61917	965.13868.19670
82	99026.80687.41570	99086.58973.86882	99144.48613.73810	99200.49496.79715
83	254.61516.41322	306.84569.54926	357.18556.76588	405.63382.22320
84	452.18953.68273	496.85182.50912	539.61983.67179	580.49275.74662
85	619.46980.91746	656.55024.97761	691.73337.33128	725.01850.99486
86	756.40502.59824	785.89232.38604	813.47984.21867	839.16705.57349
87	862.95347.54574	884.83864.84951	904.82215.81858	922.90362.40723
88	939.08270.19096	953.35908.36713	965.73249.75557	976.20270.79909
89	984.76951.56391	991.43275.74007	996.19230.64171	999.04807.20734

CHAP. III.

Of the nature and affections of Logarithmes.

LOgarithmes are borrowed numbers, which being adjoyned to numbers continually proportionally, have equal differences among themselves. *Any proportional numbers therefore being given, divers other numbers may be annexed unto them, exactly agreeing with this general definition of* Logarithmes. As if the proportional numbers given were 1, 2, 4, 8, 16, 32, 64, 128, the artificial numbers or Logarithmes assigned to them, may be the numbers subscribed under the letters A, B, C, D, or any other at pleasure; provided, that the Logarithmes so assigned have equal differences amongst themselves.

Prop. Numb.	*Logarithm.* A	*Logarithm.* B	*Logarithm.* C	*Logarithm.* D
1	0	1	5	35
2	1	3	8	31
4	2	5	11	27
8	3	7	14	23
16	4	9	17	19
32	5	11	20	15
64	6	13	23	11
128	7	15	26	7

Thus in the columns signed with A, the Logarithmes of 8, 16, and 32. are 3, 4, 5, and their equal difference is an unit. In the column signed with C, the Logarithmes of the same numbers are 14, 17, and 20, whose equal difference is 3, and so of the rest.

The nature and affection of which Logarithms are sufficiently explained by these *Axiomes* following:

AXIOME I.

In any rank of numbers equally increasing or decreasing, their differences are proportional to the number of the terms between those differences.

As in the numbers signed with the letter D, let the first, third, and eighth be taken, 35, 27, 7. between the first and third there are two terms; and between the third and the eighth there are five terms, I say, that 8, the difference between the first and the third, is in proportion to 20, the difference between the third and the eighth, as 2 to 5. *Therefore in a rank of numbers continually proportional, any two of them being given, we may find the* Logarithme *of the other.*

Let the proportional numbers be 2, 4, 8, 16, 32, 64. and let the Logarithmes of the first and third be given:

The Logar. *of*	2	8	
	8	14	*The* Logarithm *of* 64 *required.*
Difference is		6	

The Intervals from 1 to 3 are 2, from 3 to 6 are 3. And as 2 to 3; so 6, to 9; and 9 is the difference between 14, the Logarithme of 8, the third term, and the Logarithm sought. Now 9 and 14 makes 23, the Logarithm of 64.

AXIOME. II.

If of four numbers, the first exceed the second, as much as the third exceeds the fourth; the sum of the first and fourth is equall to the sum of the second and third, and the contrary. As 9, 5, 15, 11. the sum of the mean numbers 5, 15. as well as of the extreames 9 and 11. do make 20.

AXIOME III.

If four numbers be proportional, the Logarithm of the first subtracted from the summe of the Logarithmes of the second and third, leaves the Logarithm of the fourth.

Seeing that the differences of the Logarithmes of all proportional numbers are equal, *by their definition*, therefore, *by the second Axiome*, the summe of the Logarithmes of the first and fourth, is equal to the summe of the Logarithmes of the second and third: and therefore if the Logarithm of the first proportional be subtracted from the Logarithms of the second and third, there will remain the Logarithm of the fourth.

Example.

Example.

Let the proportional numbers be	4, 8, 16, 32	*And let their Logarithms be*	11, 14, 17, 20

Here the ſumme of 14 and 17, the Logarithmes of the ſecond and third proportionals is 31, from which if you deduct 11, the Logarithme of the firſt proportional, there reſteth 20, the Logarithme of the fourth.

AXIOME IV.

If one number multiply another, from the ſumme of their Logarithmes *deduct the Logarithm of an Unit, what remaineth ſhall be the Logarithme of the product.*

The reaſon is, for that (by the ground of Multiplication) *As an Unit, is to the Multiplicand, ſo is the Multiplicator, to the Product*: therefore, by the laſt *Axiome*, the Logarithme of an Unit being deducted from the ſumme of the Logarithms of the Multiplicand and the Multiplicator; the remainer is the Logarithm of the product.

Example. Let the Logarithm of the product of 16 multiplied by 8, be ſought, I ſay, by the Logarithmes in the column ſigned with the letter C.

As an Unit,	1	*Logarithmes*	5
Is to the Multiplicand	16		17
So is the Multiplicator	8		14
		Summe	31
To the Product	128	*Logar. Product*	26

Or by the Logarithmes in the column ſigned with the letter A, I ſay,

As an Unit	1	*Logarithms*	0
Is to the Multiplicand	16		4
So is the Multiplicator	8		3
To the Product	128	*Logar. product*	7

AXIOME V.

If one number divide another, from tht ſumme of the Logarithmes of the Dividend and of an Unit ſubtract the Logarithme of the Diviſor, what remaineth ſhall be the Logarithm of the Quotient.

For that the Diviſor is to an Unit, as the Dividend is to the Quotient, therefore, by the third *Axiome*, the Logarithme of the Diviſor being deducted from the ſumme of the Logarithmes of the Dividend and of an unit, the remainer is the Logarithm of the Quotient.

For example.

Let the Dividend be 128, *whoſe Logarithme in the column ſigned with the letter* C *is*	26
And the Logarithm of an Unit in that column is	5
Whoſe ſumme is	31
From which deduct the Logarithm *of* 8 *the Diviſor*	14
There reſteth the Logarithm *of* 16 *the* Quotient.	17

But in the column ſigned with the letter A, the Logarithme of 128, the Dividend, is 7, and the Logarithme of an Unit 0, and therefore their ſumme is 7 ſtill, from which if you deduct 3, the Logarithme of 8, the remainer is 4, the Logarithm of 16, the Quotient.

And from theſe two laſt Axiomes, the excellency of thoſe Logarithmes that make a Cipher to be the Logarithm of an unit above any other Logarithmes, is plainly ſeen: Subſtraction of the Logarithme of an unit being in theſe Logarithmes avoided in the fourth Axiome, and Addition in the fifth: To theſe therefore we will confine our ſelves, as the firſt Inventors thereof, the right Honourable *John* Lord *Nepair*, Baron of *Marchiſton*, and Mr. *Henry Briggs*, late Profeſſor of Aſtronomy in *Greſham-Colledge* London, have done before us.

In which kind of Logarithmes there are other advantages, as Conſectaries from the fourth and fift *Axiomes*.

Conſectary 1.

If three or more numbers be multiplied together, the ſum of all their Logarithmes is equal to the Logarithm of their product.

Conſectary 2.

The logarithm of a number doubled, is the logarithm of the ſquare of that number, and the logarithm of a number trebled is the logarithm of the cube of the ſame number, &c.

Conſectaries from the fift Axiome *are likewiſe two.*

Conſect. 1. If the firſt Quotient be divided by a ſecond Diviſor, and the ſecond Quotient by a third Diviſor, &c. the ſum of the logarithmes of all the Diviſors being ſubſtracted from the logarithme of the firſt Dividend, leaves the logarithm of the laſt Quotient.

Conſectary 2.

The half of the logarithme of any number is the logarithm of the ſquare root of that number, and the third part of the logarithm of any number is the logarithme of the cubique root of the ſame number.

Theſe few Axiomes and Conſectaries being ſufficient to illuſtrate the nature and affections of all Logarithmes, we will now proceed to their conſtruction.

CHAP. IV.

Of the conſtruction of Logarithmes.

ALthough we may, as hath been ſhewed, frame ſeveral Logarithmes to the ſame proportional numbers, or ſeveral proportional numbers to the ſame Logarithmes: yet (as the firſt Inventors thought, ſo experience hath confirmed, that) thoſe logarithmes are moſt uſeful, which having a cipher for the logarithme of an unit, are fitted to proportional numbers, increaſing from unity by decuple proportion, an unity alſo being the common difference of thoſe logarithmes.

As in the inſuing Table, the logarithme of 1 (in the column ſigned with B) is 0, the logarithme of 10 is 1, the logarithme of 100 is 2, the logarithme of 1000 is 3, or in the column ſigned with C, the logarithme of 1 is 0.000000. the logarithme of 10 is 1.000000. the logarithm of 100 is 2.000000, and the logarithm of 1000 is 3.000000, &c.

A	B	C
1	0	0.000000
10	1	1.000000
100	2	2.000000
1000	3	3.000000
10000	4	4.000000
100000	5	5.000000
1000000	6	6.000000

The firſt figure of theſe logarithmes is called the Characteriſtique or Index, and is alwayes an unit leſſe then the number of places in that proportional number of which it is the Index or logarithme, As in the column ſigned with C, the firſt figure or Characteriſtique of the third logarithm is 2, and the proportional number anſwering thereunto is 100, a number conſiſting of 3 places, whereas the Characteriſtique or Index of the logarithme conſiſteth but of two units, in like manner 3 is the Characteriſtique of 1000, &c.

Having thus aſſigned the logarithme 1, to be 0, the logarithme of 10 to be 1.000000, the logarithme of 100 to be 2.000000, and the logarithme of 1000 to be 3.000000, &c. It is in the next place requiſite that we ſhew how the logarithmes of the mean numbers between the proportionals of this Table may be moſt conveniently found: that is; How the logarithmes of 2, 3, 4, 5, 6, &c. the mean numbers between 1 and 10, or how the logarithmes of 11, 12, 13, &c. the mean numbers between 10 and 100, or the logarithmes of any other mean numbers may be found. For the effecting whereof we will premiſe theſe *Lemma's* following.

LEMMA 1.

If in a rank of numbers continually proportional from unity (as in thoſe ſigned with the letter A) any two of them be taken, as C 8, and D 32, with their Indices 3 and 5, two other rank of numbers continually proportionall from unity, being made from the two numbers taken out of the firſt rank, that is, from 8 and 32, as thoſe in the columns E and F; the firſt numbers

ber in each rank next to unity being the former numbers signed with C and D, and both ranks being continued, till 3 (the index of the number C in the column A) shall be the Index of a proportional number in the column F, and 5 in the like manner (the index of the number D) be the Index of a number in the column E, the last proportional numbers in the columns E and F shall be equal, as here you see, they both being equal to the number found in the first rank signed with A, whose Index is 15, the product of the two Indices to the last numbers in the columns E and F.

Q	A	B	P	E	M
0	1	0	—0	1	0
	2	1		8	1
	4	2		64	2
	C 8	3	—1	512	3
	16	4		4096	4
1	D 32	5		32768	5
	64	6	—2	F	N
	128	7			
	256	8		1	0
	512	9	—3	32	1
2	1024	10		1024	2
	2048	11		32768	3
	4096	12	—4		
	8192	13			
	16384	14			
3	32768	15	—5		

A *is the first rank of proportional numbers given.*
B *the Indices to that rank of numbers.*
E *is the second rank of numbers given.* N *the Indices of that rank, to which those in* P *are equal.*
F *is the third rank, whose Indices in* N, *are equal to those in* Q.

Now these numbers and as many others as shall be made by the continual multiplication of them are continually proportional.

LEMMA 2.

If in a rank of numbers continually proportional from unity, any one of them be divided continually by his side or root as often as it can, the number of Divisions shall be the Index of the number divided shewing the distance of that number from unity, or the number of Intervals between unity and the Dividend.

For example. Let 729 be the number given, to be continually divided, and let the side or root of that number given be 3, this root shall divide the number given six times, and the quotients shall be 243, 81, 27, 9, 3, 1, and therefore 6 is the Index of that number, as here you see.

1	0
3	1
9	2
27	3
81	4
243	5
729	6

Note here that a number is then said to be divided continually, when the same Divisor shall divide the number given, and the Quotient of that number given, and every quotient of that quotient.

And these quotients are continually proportional, because every Dividend is to his quotient, as the Divisor is to Unity.

That number is said to be the side or root of a number, which in the same rank of numbers continually proportional with the number given, is next above the place of unity. Therefore in this rank 3 is the side or root.

Here likewise note, that the intent of this Lemma *is not to finde the quotients themselves, but onely the number of them: yet here we have given both, lest any thing should be obscure.*

LEMMA 3.

In a rank of numbers continually proportional, any two of them being given, with the Index of one of them, to finde the Index of the other, or its distance from unity.

Let the given numbers be 8 and 32 in the rank of proportional numbers signed with A in the first *Lemma*, and let the Index of the greater number be 5, the other index unknown may thus be found.

Let another rank of numbers continually proportional be made, by the multiplication of 8, whose Index is sought by it self, & of the product by it self continually, till you come to a number whose Index is equal to 5, the Index given, as here you see.

The last product 32768 shall, *by the first Lemma*, be the same with the product made by the continual multiplication of 32, till the Index of the product in this last rank, be the Index sought. And therefore if the number 32768 be divided by 32, the

1	0
8	1
64	2
512	3
4096	4
32768	5

ſide or root in the third ſeries, according to the directions of the ſecond *Lemma*, the quotients will be three, 1024 32, 1. and therefore 3 ſhall be the Index as well of this product 32768 in this third rank, as here we ſee, as of 8 in the firſt rank of numbers, from whence the two given numbers were taken.

1	0
32	1
1024	2
32768	3

Where note that in theſe ſeveral ranks of proportional numbers, in which an unit is in the firſt place. The firſt is that from whence the two numbers were taken, with the Index of one of them annexed. The ſecond is that which is made by the multiplication of that number, whoſe Index is ſought, till the Index of the laſt product be equal to the Index of the other number given. And the third is that which is made by dividing the laſt product in the preceding rank by the other number whoſe Index is given, which may bewholly ſet down, if need be. In this rank, the Index of the product being divided is equal to the numberof the quotients, and is the Index ſought, to be annexed to the number whoſe Index was unknown in the firſt rank, as may be ſeen in the firſt Lemma.

LEMMA 4.

In a rank of numbers continually proportional from unity, if one number multiply another, the product will be one of the numbers in that rank continued, and the Index thereof will be the ſum of the Indices given. As in this Series, If 4 multiply 256, the product will be 1024. and the Index thereof 10, *viz.* the ſum of 2 and 8, the Indices annexed to 4 and 256.

1	0
2	1
4	2
8	3
16	4
32	5
64	6
128	7
256	8
512	9
1024	10

Therefore if a number be multiplied by it ſelf, the Index of the product ſhall be the double of the Index belonging to the ſide. As if 16 be multiplied by it ſelf, that is, by 16, the product will be 256, whoſe Index is 8, and the Index of the root but 4.

LEMMA 5.

If one number be multiplied by another, or by it ſelf, the number of places in the product ſhall be equal to the number of figures in both the factors, unleſs the product made of the firſt figures toward the left hand in both the numbers given may be expreſſed with one digit. As often as this ſhall happen, the number of places in the product will be leſſe by one then the number of figures in both the factors.

As if 68 were to be multiplied by 26, the product 1768 is expreſſed with 4 figures, that is, with as many as are contained in both the factors. But if 68 were to be multiplied by 14, the product 952 is expreſſed with 3 figures, and yet in both the factors there are as many figures as was in the laſt example.

6. Theſe things premiſed, the *Logarithm* of any number propoſed may thus be found.

Suppoſe all numbers that are, to be ſet down in one onely rank of numbers continually proportional from unity, and let the Indices annexed to thoſe proportional numbers be the *Logarithms* ſought: From this infinite rank of numbers let two be taken, as 10 and 2, or any other, let the Index of 10 be 1.c0000000c, and let the Index or *Logarithm* of 2 be ſought. Beſides this firſt rank (which we call infinite, becauſe it may be infinitely extended) from which theſe numbers are taken, there muſt be a ſecond rank of numbers made by the continual multiplication of 2 into it ſelf, and of every product by it ſelf, *according to the directions of the third Lemma*, and this Series is to be continued, until the Index of the laſt product be equal to the Index of 10 the number given in the firſt rank, and that the inexpreſſible tediouſneſſe of ſo many multiplications may be avoided, omitting many of the intermediate numbers: Let the principal products according to the rules of continual multiplication be onely ſought, by the *fourth Lemma of this Chapter*, together with their Indices, until the laſt product ſought with the Index thereof be found: of which products it is not neceſſary that every figure of them ſhould be ſet down or known, but a competent number of them onely towards the left hand; and yet ſo many as are ſufficient, *by the fift Lemma*, to diſcover the number of places in the whole prodnct.

Thus then the product of 2 multiplied by it ſelf is 4, and the Index of 4 is 2. The product of 4 multiplied by it ſelf is 16, and the Index thereof is 4, the product of 16 by it ſelf is 256, and the Index 8, and then this laſt product multiplied by 4 is 1024, and 10 the Index thereof is equal to the Indices of both the factors, that is, of 2 and 8; and in this laſt product there are four places, all which are manifeſt, by the *fourth and fift Lemma's* preceding, as here you ſee. And theſe four numbers 4, 16, 256, 1024, do conſtitute the firſt *Tetras*.

This done, conſtitute another, the firſt number whereof is made by the multiplication of the laſt number of this *Tetras* into it ſelf. The ſecond is the ſquare of the firſt: The third is the ſquare of the ſecond. And the laſt is made by the multiplication of the firſt and third, and the Indices of theſe four are 20, 40, 80, 100. And in the firſt of theſe numbers there are ſeven figures, in the ſecond 13, in the third 25, in the fourth 31. And in this manner are the reſt to be made

made, until the Index of the fourth number of the laſt *Tetras* be 10000000 The number of notes or places in which fourth will be 30102999. In the making whereof there muſt be had 9 *Tetras*, or 36 principle numbers, if the Index of 10 be put larger, more principal numbers are required, and to every product more figures muſt be allowed, at leaſt the number of places in the Index of 10, or elſe the whole work will ſcarce be wrought without errour.

The third rank of numbers might be exactly found, *by the ſecond Lemma*, if we had the laſt product of the ſecond rank entire, becauſe it is equal to the laſt product oft he third rank, *by the firſt Lemma*. And the number of notes or places of this laſt product is known in both the ranks, and exceeds by one unit the Index of this product in the third Sertes, and two in thefirſt. That the Index in this third Series may be found, the laſt product is to be continually divided by 10, which number, together with the Index thereof was given at firſt. And any number being divided by 10, the quotient ſhall be the tenth part of the Dividend, that is indeed the ſame with the Dividend one onely note thereof towards the right hand being taken away. As if 4357 were to be divided by 10, the quotient would be 435. And therefore the numberof Quotients or of Diviſions ſhall be leſſe by an unit then the number of notes in the Dividend.

1	0		
2	1		
4	2	1	
16	4	2	1 *Tetras*
256	8	3	
1024	10	4	
1048576	20	7	
1099511627	40	13	2 *Tetras*
1208925819	80	25	
1267650600	100	31	
1606938044	200	61	
2582249878	400	121	3 *Tetras*
6668014432	800	241	
1071508607	1000	302	
1148130695	2000	603	
1318204093	4000	1205	4 *Tetras*
1737662031	8000	2409	
1995063116	10000	3011	
3980276837	20000	6021	
1584260369	40000	12042	5 *Tetras*
2509860917	80000	24083	
9954617009	100000	30103	
9908339984	200000	60206	
9817520023	400000	120412	6 *Tetras*
9638369940	800000	240824	
9550024625	1000000	301030	
9120297033	2000000	602060	
8317982796	4000000	1204120	7 *Tetras*
6918883778	8000000	2408240	
6310228530	10000000	3010300	
3971898410	20000000	6020600	
1577600692	40000000	12041200	8 *Tetras*
2488823810	80000000	24082399	
9885355329	100000000	30102999	

But the number of quotients ſheweth the diſtance of the dividend from unitie, or the Index thereof in this third rank: which is the ſame with that Index in the firſt, which ought to be annexed to the ſide or roots of the ſecond rank that is to the number 2 or the Logarithme that that is inquired, viz. 30102999.

7 And in this manner may you likewiſe make the Logarithme of any other number whatſoever; howbeit the Logarithmes of ſome few of the prime numbers being thus diſcovered the Logarithmes of many other derivative numbers may be afterward found, without the trouble of ſo many continued multiplications, by the former rules in the IV Chapter. For example, From the Logarithme of 2, you may eaſily find the Logarithme of 5, for if you divide 10 by 2 the quotient is 5, but the ſum of the logarithms of the diviſor & quotient is equal to the logarithm of the dividend by the 4th. *Axiome* of the former Chapter. Therefore if I ſubtract 0.301200 the logarithm of 2 from 1 0000000 the logarithme of 10 the remainer 0.6989700 is the logarithme of 5.

8 Again beſides the logarithme of 5 with like facility may you find the logarithme of any other number that is made by the multiplication or diviſion of theſe three numbers 5, 2, & 10. viz. Of the numbers 4, 8, 16, 32, 64, & of the numbers 25, 125, 625, &c. of the numbers 20, 50, 100. &c. or of any other numbers that may be made by the comparing of theſe one with another.

CHAP.

A Table of Logarithme Sines, to every fourth part of the last 45 degrees in the Quadrant.

	∞	25	50	75
45	9.849485002.16800	513.71724.91927	532.42053.81683	550.96129.46024
46	9.856934090.07301	587.56071.37384	605.62206.98667	623.52628.12903
47	9.864127463.83939	658.86840.98715	676.30884.31734	693.59716.49418
48	710.73458.14351	727.72227.89429	744.56142.41850	761.25316.47059
49	777.79862.92565	794.19892.81645	810.45515.36992	826.56838.04223
50	842.53966.55351	858.37004.92118	874.06055.49276	889.61218.97791
51	905.02594.47926	920.30270.52301	935.44370.08847	950.44960.63677
52	965.32144.13954	980.06012.10548	994.66654.60810	004.52382.42472
53	9.9023.4861649534	037.70109.08127	051.78722.65581	065.74540.49465
54	079.57644.58597	093.28115.65285	106.86033.17566	120.31475.41335
55	133.64519.42486	146.85241.08943	159.93715.12709	172.90015.11806
56	185.74213.52197	198.46381.69685	211.06589.91719	223.54907.39260
57	235.91402.28394	248.16141.72200	260.29191.82338	272.30617.70700
58	284.20483.51024	295.98852.40464	307.65786.61105	319.21347.41458
59	330.65595.17951	341.98589.36336	353.20388.53102	364.31050.36840
60	375.30631.69581	386.19188.48126	396.96775.85305	407.63448.11231
61	418.19258.74572	428.64260.43686	438.98505.07857	449.22043.78409
62	459.34926.89848	469.37204.00958	479.28923.95886	489.10134.85196
63	498.80884.06900	508.41218.27473	517.91183.42827	527.30824.79333
64	536.60186.94693	545.79313.78935	554.88248.55286	563.87033.81087
65	572.75711.48638	581.54322.86078	590.22908.58202	598.81508.67298
66	607.30162.53927	615.68908.97734	623.97786.18189	632.16831.75360
67	640.26082.70645	648.25575.47489	656.15345.92094	663.95429.34111
68	671.65860.47322	679.26673.50290	686.77902.07033	694.19579.27638
69	701.51737.68881	708.74409.34863	715.87625.77583	720.67227.95930
70	729.85816.44290	736.70851.17025	743.46551.65086	750.12946.88555
71	756.70065.38733	763.17935.18679	769.56183.83711	775.86038.41883
72	782.06325.54502	788.17471.36559	794.19501.57227	800.12441.40283
73	805.96315.64586	811.71148.64473	817.36964.30211	822.93786.08385
74	828.41637.02333	833.80539.72518	839.10516.36931	844.31588.71466
75	849.43778.10267	854.47105.46142	859.41591.30865	864.27255.75545
76	869.04118.50959	873.72198.87897	878.31515.77460	882.82087.71379
77	887.23932.82340	891.57068.84262	895.81513.12607	899.97282.64651
78	904.04393.99773	908.02863.39713	911.92706.68845	915.73939.34436
79	919.46576.46900	923.10632.80020	926.66122.71221	930.13060.21761
80	933.51458.96992	936.81332.26553	940.02693.04597	943.15553.89988
81	946.19927.06508	949.15824.43042	952.03257.53781	954.82237.58389
82	957.52775.42188	960.14881.56322	962.68566.17928	965.13839.10298
83	967.50709.83027	969.79187.52158	971.99281.00333	974.10998.76925
84	976.14348.98185	978.09339.47315	979.95977.74684	981.74270.97863
85	983.44226.01750	985.05849.38714	986.59147.28658	988.04125.59123
86	989.40789.85391	990.69145.30554	991.89196.85603	993.00949.09508
87	994.04406.29272	994.99572.40020	995.86451.05027	996.65045.55811
88	997.35358.92158	997.97393.82171	998.51152.62321	998.96637.37472
89	999.33849.80922	999.62791.34424	999.83463.08204	999.95865.80985

CHAP. V.

Of the conſtruction of the Logarithmes, Sines, *and* Tangents.

A Table of logarithmes of all numbers from one to an hundred thouſand, being thus made to 15 places as thoſe are which Mr. *Brigges* himſelfe did publiſh or to 11 places, as thoſe publiſhed by *Vlacc* the logarithme of an abſolute number conſiſting of 10 or 15 places may be found by the part proportional as the afore-ſaid Authours have ſhewed, and according to whoſe directions we have made the logarithmes ſines following. In which you may obſerve that the characteriſtique of the Radius or whole ſine is 10 and in all the reſt it is but 9, though the abſolute numbers anſwering to thoſe logarithmes doe conſiſt of 15 places, the reaſon is, for that ten of thoſe figures onely, are regarded as the abſolute number, the other five as a fraction part annexed thereunto; that ſo the logarithme ſines might be made the more exact.

2. From theſe few Artifical ſines, the whole Canon may be compleated by a continual quinque ſection, in this manner, take the firſt, ſecond, third &c. differences of theſe logarithmetical or Artificial ſines given, and let the firſt differences be divided by 5, the ſecond by 25, the third by 125, and ſo forward ſtill increaſing the diviſor by a five-fold proportion, and the quotients ſhall be the firſt, ſecond, third, &c. mean differences; or rather inſtead of this diviſion, multiply the firſt of theſe differences by 2, the ſecond by 4, the third by 8, the fourth by 16, the fifth by 32 &c. cutting off one note in the product of the firſt, two in the ſecond, three in the third, four in the fourth, and five in the fifth, &c. theſe products which are equal to the former quotients, ſhall be the firſt, ſecond, third, fourth and fifth mean differences as before.

Dif. 5ª	*Dif. 4ª*	*Differ. 3ª.*	*Dif. Secundæ*	*Differ. Primæ.*	*9. Logarithmi Sines.*	*Deg. pt*
	236081		16115.06664		8550.96129.46024	45.75
5005		135.82670		183796.057677		
	231076		15979.23994		8569.34090.03701	46.00
4835		133.51594		182198.13368		
	226241		15845.72400		8587.56071.37384	46.25
4735		131.25353		180613.561283		
	221506		15714.47047		8605.62206.98667	46.50
4599		129.03847		179042.114236		
	216907		15585.43200		8623.52628.12903	46.75
4470		126.86940		177483.571036		
	212437		15458.56260		8641.27463.83939	47.00

The Mean Differences.

Dif. 4ª	*Diff. Tertiæ*	*Diff. Secundæ*	*Differ. Primæ.*	*9. Logarithmi Sines.*	*Deg. pt*
377.72		64460.266.5		8550.96129.46024	45.75
	1086.613		367592.11535.4		
369.72		63916.959.7		8569.34090.03701	46.00
	1068.127		364396.26736.6		
361.98		63382.896.0		8587.56071.37384	46.25
	1050.028		361227.12256.6		
354.40		62857.881.8		8605.62206.98667	46.50
	1032.307		358084.22847.2		
47.05		62341.728.0		8623.52628.12903	46.75
	1014.955		354967.24207.2		
339.89		61834.250.4		8641.27463.83939	47.00

And theſe mean Differences alſo muſt be corrected, before they may be uſed for the making of the intercepted logarithme ſines; the manner of correction as Mr. *Brigges* hath ſhewed in his *Arithmetica Logarithmica*, chap. 13 is by ſubducting the remote differences from the other mean differences leſſe remote in the ſame rank from the ſines given; thus the firſt differences are to be corrected by ſubducting from them the third, fifth and ſeventh mean differences, the ſecond differences are to be corrected by ſubducting from them the fourth, ſixth, & eighth mean differences, and ſo of any other; In our Example then, the fourth and fifth differences cannot be corrected becauſe there are no differences given, by which they ought to be corrected; and therefore the fourth and fifth mean differences are taken for the fourth and fifth differences corrected.

But the third mean differences are corrected by ſubducting from them three fifth differences corrected.

From the ſecond mean differences deduct two fourth differences corrected: and one third difference, more two tenths of the fifth deduct from the firſt, the remainer is the difference corrected.

108661.3 *Third mean Dif.*	64460266.5 *Second mean Dif.*	367592115354 *First mean Difference*
4.6 *Three fifths Cor.*	755.4 *Two 4th. dif. cor.*	108666.7 *One third corrected*
108656.7 *Their Dif. Cor.*	64459511.1 *Second Differ.cor.*	367591028787 *First Differ.corrected*
106812.7 *Third mean Dif.*	63916959.7 *Second mean Dif.*	364396267366 *First mean Difference*
4.6 *Three fift dif.cor*	739.4 *Two 4th. dif. cor.*	106808.1 *One third corrected*
106808.1 *Third Dif. Cor.*	63916220.3 *Second Diff. cor.*	364395199285 *First Differ.corrected*
105002.8 *Third mean Dif.*	63382896.0 *Second mean Dif.*	361227122566 *First mean Difference*
4.6 *Three 5th dif.cor*	723.8 *Two 4th. Dif. cor.*	104998.2 *One third corrected*
104998.2 *Third differ.cor.*	63382172.2 *Second Diff. cor.*	361226072584 *First Differ.corrected*
103230.7 *Third mean diff.*	62857881.8 *Second mean Diff.*	358084228472 *First mean Difference*
4.6 *Three 5th dif.cor*	708.8 *Two 4th. Dif.cor.*	103226.1 *One third corrected*
103226.1 *Third Diff. cor.*	62857173.0 *Second Diff. cor.*	358083196211 *First Differ. correct.*
101495.5 *Third mean diff.*	62341728.0 *Second mean Dif.*	354967142072 *First mean Difference*
4.5 *Three 5th.dif.cor*	694.0 *Two 4th.dif.cor*	101491.0 *One third corrected*
101491.0 *Third Diff. cor.*	62341034.0 *Second Diff.cor.*	354966127162 *First Differ. corrected*

3 And thus the differences are all corrected and prepared for the inſerting of the Logarithmes ſought, in which we have followed the directions of this Table, which ſheweth what and how many differences are to be ſubtracted to correct any difference that ſhall be propounded; the numbers in the columne A doe preſent the firſt, ſecond, third, fourth and fifth differences, and the numbers in the columne B doe ſhew what differences and how many of them muſt be ſubtracted from the mean differences given, thus to correct the firſt mean differences, you muſt deduct one third difference corrected, and alſo $\frac{2}{10}$ of the fifth, to correct the third mean difference you muſt deduct 3 fifth difference, and to correct the fifth mean difference you muſt deduct 5 ſeventh differences, if ſo many be given, but if there be none, the fifth mean difference need no correction.

A	B
5	5 (7)
4	4 (6)
3	3 (5)
2	2 (4)
1	1 (3), $\frac{2}{10}$ (5)

4 The mean differences being thus corrected, rule your paper according to the Table following, and in every fift ſpace noted with A write your logarithme ſines found as before, and the ſecond differences noted with C, the fourth with E, the ſixt, eighth &c. write in a ſame line with the logarithme ſines given; The firſt differences noted with B, the third with D, the fift with F, ſet in the middle line of every ſpace; This done beginning at the left hand fill up the void ſpaces by adding the fifth differences to the fourth, the fourth to the third, the third to the ſecond, the ſecond to the firſt, and the firſt to the logarithme ſines, ſo ſhall you have made the intercepted logarithme ſines required;

5 And

E	377	7	64	459511.1	C	9.855096	12946024	45	75	A
				109407.3		368	87694956			
	376	1	64	350104.1		9.855465	90640080	45	80	
				109031.2		368	23343952			
	374	5	64	241072.9		9.855833	23984032	45	85	
F	1	6		108656.7	D	367	59102879			B
	372	9	64	132416.2		9.876200	83086911	45	90	
				108283.6		366	94970462			
	371	3	64	024132.6		9.856567	78057373	45	95	
				107912,3		366	30946329			
E	369	7	63	916220.3	C	9.856934	09003701	46	00	A
				107542.6		365	67030109			
	368	0	63	808677 8		9.857299	76933810	46	05	
				107174.6		365	03221432			
	366	5	63	701503.2		9.857664	79255242	46	10	
F	1	5		106808.1	D	364	39519929			B
	365	0	63	594695.1		9.858029	18775171	46	15	
				106443.2		363	75925234			
	363	5	63	488251.9		9.858392	94900405	46	20	
				106079.7		363	12436982			
E	362	0	63	382172.2	C	9.858756	07137384	46	25	A
				105717.7		362	49854810			
	360	5	63	276454.5		9.859118	56192194	46	30	
				105357.2		361	85778356			
	359	0	63	171097.3		9.859480	41970550	46	35	
F	1	5		104998.2		361	22607258			B

5 And in this manner the Table of Natural Sines might alſo be enlarged, as Mr. *Brigges* hath ſhewed in his *Trigonometria Britannica*, but this we have forborne to illuſtrate by Example, the former wayes already ſhewed, being much eaſier, and no leſſe exact.

6 And the logarithme ſines of the latter halfe of the natural, being thus made from the Table of logarithmes of abſolute numbers, the logarithme ſines of the other halfe may be alſo made by the 17th of the firſt hereof: For as the ſine of an Arch, is to the ſine of 30 degrees: ſo is the ſine of the double Arch, to the co-ſine of the ſimple Arch given. For illuſtration, let there be given the ſines of 22 deg. 50 parts, and the ſine of 45 deg. and the co-ſine of 22 deg. 50 be required, or the ſine of 67, 50

As the logar. ſine of 22, 50.	9.58283966
Is to the ſine of 30 deg.	9.69897800
So is the ſine of 45 deg.	9.84948500
	19.54845500
To the ſine of. 67 50	9.96561534

7 And the Table of Artificial sines being thus compleated halfe the Canon of Artificial tangents may be deduced from them. For as the co-sine of an Arch, is to the sine thereof. So is Radius, to the tangent of that Arch, *by the* 26th *of the first.* *Example.*

As the co-sine of 22. 50	9.96561533
Is to the sine of 22. 50	9.58283966
So Is Radius 9. 0	10.00000000
	19.58283966
To the Tangent of 22. 50.	9.61722432

8. And halfe the Canon of the Artifical Tangents being thus made, the co-tangents may be made be subtracting the Tangents from twice Radius, for as the Tangent of an Arch, is to Radius so is Radius, to the co-tangent of the same Arch, by the 27th of the first,

Example.

As the Tang. of 22. 50	9.61722432
Is to Radius	10.00000000
So is Radius	10.00000000
	20.00000000
To the Tangent of 67. 50	10.38277568
Or co-tangent of 22. 50	

9. And as the co-tangents are made from the Tangents, so are the Secants to be made from the sines, For as the sine of an Arch, is to Radius, so is Radius to the co-secant of that Arch *by the* 31th *of the first.*

Example.

As the sine of 67. 50.	9.96561534
Is to Radius	10.00000000
So is Radius.	10.00000000
	20.00000000
To the Secant of 22. 50.	10.03438466
Or the co-secant of 67. 50	

10. And by these directions the whole Canon of Artifical Sines, Tangents, and Secants may be compleated: the nature and affections whereof is sufficiently expressed in the fourth Chapter, and yet there is a more compendious way of working with logarithmes, then that set downe in the 3 *Axiome* thereof, for what is there performed by addition and subtraction, may be more readily done by addition onely. If instead of the Logarithme of the first proportional, you substitute the Arithmetical complement thereof, to be added to the Logarithmes of the two middle termes, Which Arithmetical complement is nothing but the difference between the logarithme given and a number consisting of unitie, or a binary number with cyphers annexed.

11. The Arithmeticall complement of a logarithme may be readily found, if instead of subtracting the logarithme given from 10.00000000 you write the complement of every figure thereof to 9, beginning with the first figure towards the left hand and so on till you come to the last figure towards the right hand, of which you must set downe the residue unto ten. Thus for the complement Arithmetical of 9.58283966 the logarithme of the first terme (in the example of the 9 proposition hereof) for 9 I write 0, for 5, 4, for 8, 1, for 2, 7, for 8, 1, for 3, 6, for 9, 0. for 6, 3, and for 6 again it being the last figure I write 4 the complement thereof to 10, and so I have this number 0.41716034 which is the complement Arithmetical of 9.58283966, and being substituted in the roome thereof, the fourth proportional will be found by addition onely, if from the summe of the 3 logarithmes you cut off an unite from the first place towards the left hand as is manifest by the example following in which you have the same terms and logarithmes given as are expressed in the 9th hereof, save that we here use the Arithmetical complement of the first term instead of the logarithme thereof.

As the sine of 22. 50. *Comp. Arith.*	0.41716034
Is to the sine of 30 deg.	9.69897000
So is the Sine of 45 deg.	9.84948500
To the sine of 67. 50	9.96561534

CHAP.

CHAP. VI.

Of the use of the Canon.

HAving thus largely shewed the construction both of the Naturall and of the Artificiall Canons, we are now to shew their use, which is twofold, The first is to find the logarithme of any absolute number, or the Artificiall sine and Tangent of any degree and parts of a degree in the quadrant and the contrary.

The second use Consisteth chiefely in the solution of all Triangles Plaine and Sphearicall: the first of which we will explaine in these ensuing Problemes.

PROBL. 1.

A whole number under 1000, *being given to find the logarithme thereof.*

IN the five first pages of this Table you have all absolute numbers from one to 1000 set downe in their naturall order, and right against every number his proper logarithme, and having therefore found your number, you have also the logarithme of that number without any further trouble. And thus the logarithme of 537 will be found to be 2.729974.8 and the logarithme of 856 is 2.93247376 and so of the rest.

PROBL. 2.

Any number consisting of four places being given to find the logarithme thereof.

FInd the number propounded in the first columne of the Table, with the Title *Numb.* this done just against that number in the next columne, signed by (o) you shall find a number of eight figures, before which if you prefixe the figure 3 the proper characteristique of all numbers consisting of four places, that entire number so ordered is the logarithme sought.

Example. 8563 being given, in the first columne of the page under the Title *Numb.* I find the number given, and right against it in the next columne signed with (o) I find 93202594 before which prefixing 3 the proper characteristique thereof, the entire logarithme of 8563 is 3.94262594.

PROBL. 3.

A whole number consisting of five places being given to find the logarithme thereof.

YOu must find the four first figures of the given number, as before, and right against the same in the next column signed with (o) you have the three first figures of the logarithme sought, which note in your paper, and then seeke the last figure of your number given, amongst the great figures in the head of the Table and in the common Area or meeting of these two lines, you shall have the other five figures belonging to the logarithme sought, which being annexed to the other three, and 4 the proper characteristique prefixed before them all, that entire number so ordered, is the logarithme of the number propounded.

Example. 54237 being propounded, I find 5423 the foure first figures in the first column, and in the next column the three common figures are 734 and is the last figure of the number propounded, I find in the head of the Table, and looking downward in that column from 7 in the head of the Table till I come against 542 in the first column I find there these five figures 29566 which being annexed to their common figures before found 734 the number so found will stand thus 73429566 before which if you prefixe 4 the proper characteristique thereof, the entire logarithme of 54237 will be 4.73429566.

But here observe concerning the five figures last found (unless they be those in the second column, *viz.* those which immediately follow the three figures to be perfixed) I say, when the first of those five figures is a cypher, you are in that case to adde an unit to the last of the three figures prefixed; or which is all one take the three common figures next following the number propounded; Thus for the logarithme of 54453 instead of the 3 common figures 735, I take the figures against 5446 *viz.* 736, because the first of the five figures under 3 the last figure of the number propounded is a cypher, *viz.* the first of these five 02181 and so the entire logarithme of 54453 is 73602181 and not 43735021 81, The same caution is likewise to be observed in all the logarithmes following the same cypher in that line.

PROBL. 4.

A whole number consisting of six, seven or eight places not exceeding 40 millions being propounded, to find the logarithme thereof.

SEek the Logarithme of the five first figures by the preceeding Probleme, and the logarithme of the common difference in the last columne of the page, and say. As the Logarithme of 10 1.00000. Is to the logarithme difference. So is the logarithme of the last figure in the number propounded, to the logarithme of the part proportionall, which part proportionall being added to the logarithme of the five first figures of your number given, is the logarithme of your number sought, if you prefixe before it the proper characteristique thereunto belonging.

And note that if your number given consist of seven places, the first terme in the proportion must be 100, and 1000 if of eight.

For Example. Let the logarithme of 5423758 be demanded, the logarithme of 54237 was before found to be, 4.73429566 and the logarithme difference against 5423 is 290363 now I say.

As the logarithme of 100	2.00000
Is to the logarithme difference	2.90363
So is the logarithme of 58	1.76342
To the part prop. sought 464	2.66705
The logarithme of 54237	473429566
Part proportionall adde	464
The summe is the logarithme sought	4.73430050

But because the number propounded consisteth of 7 places the characteristique is 6, and therefore setting 6 for the characteristiq; instead of 4 the entire logarithme of 5423758 is 6.73430050.

PROBL. 5.

A fraction being given to find the logarithme thereof.

SUbtract the logarithme of the *Denominator* from the logarithme of the *Numerator* till you come to the characteristique and then subtract, the characteristique of the logarithme of the *Numerator* from the characteristique of the logarithme of the *Denominator*, the remainer prefixing this (——) or the like marke, to distinguish it from a perfect logarithme is the logarithme of the fraction propounded.

Example. Let $\frac{352}{5274}$ be the fraction propounded, the logarithme of 352 the *Numerator* is 2.54654266 the logar. of 5274 the *Denominator* is 3.72214812. There difference is 8244025 the remainer of the characteristique of the logarithme of 352 is 1 which being deducted from 3 the characteristique of the logarithme of 5274 the *Denominator*, the remainer is 2, the characteristique of the logarithme of the fraction propounded, before which prefixing the signe of defection (——) the entire longarithme of $\frac{352}{5247}$ is —2.82440254.

But if the fraction propounded be a Decimall, the logarithme thereof may be more easily found in this manner: Seek in the Table, the logarithme of the Decimal given, as though it were a whole number, before which set for the characteristique, a figure consisting of a unite more then the Decimall given hath cyphers prefixt before it, so have you the logarithme sought.

Example. Let the Decimal given be .00593, the logarithme of 593 is 77305469 before which if you set 3 for the characteristique because the Decimal propounded hath two cyphers before it with this (—) or the like signe of defection, the logarithme of .00593 is 3.77305469. For the characteristique of the logarithmes of all whole numbers under 10 being a cypher, the characteristique of a logarithme whose absolute number is lese then an integer, must be less then a cypher, if the numeral figures of the Decimal given be two places distant from 1 or unity the characteristique must be —2 and so forward.

PROBL. 6.

A mixt number being given to find the logarithme thereof.

REduce the number given into an improper fraction, and then deduct the logarithme of the *Denominator*. from the logarithme of the *Numerator*, what remaineth is the logarithme sought.

Example.

Example. Let $4\frac{54}{100}$ be the mixt number given, this reduced into an improper fraction will be $\frac{454}{100}$ now then the logarithme of 54 is 1.43239376 and the logarithme of 12 is — 1.07918124 The difference is the log. of 45 0.65321252.

But if the fraction annexed be a Decimal, seeke the logarithme of the mixt number, as though it were an integer, and then prefixe a proper characteristique to the whole part of the mixt number, so have you the logarithme of the mixt number given.

Example. $\frac{5}{10}$ the fraction part of the mixt numbers $4\frac{5}{10}$ being converted into a Decimal will be 5 tenth and the mixt number $4\frac{5}{10}$ will be 45 now then the logarithme of 45 is 65321251 before which if you prefixe a cypher, for the characteristique, because the integral part of the mixt number is less then 10, the logarithme of 45 that is of 4 Integers and 5 tenths of an integer is 0.65321251.

PROBL. 7.

A logarithme being given to find the absolute number thereunto belonging.

THe characteristique will declare of what number of places the absolute number doth consist, the characteristique being alwayes unite less then the number of places in the number, if therefore the characteristique of the logarithme given be but one, the absolute number doth consist of two figures or places, if the characteristique be two, the absolute number answering to the logarithme given doth consist of three places, and must be found in the the five first pages of this Table.

Thus 29324376 being the Logarithme given, the absolute number answering thereunto will be found to be 856.

If the Characteristique be 3, the absolute number answering to the Logarithm given, must consist of four places, and is to be found in the first column of the remaining pages of the Table. Thus 3.73262594 being the Logarithm given, setting aside the Characteristique, I seek 93262594 in the second column of the Table (signed with O,) and right against the same I find 8563, which is the absolute number thereof.

If the Characteristique be 4 the absolute number answering to the Logarithm given, doth consist of 5 places, four of which must be found in the first column, as before, and the fift in the head of the column, in which I find the five last figures of the Logarithm given, Thus 4.73429566 being the Logarithm given, I neglect the Characteristique, as before: and the rest of the Logarithm, *viz.* 73429566, I seek in the second column, and the next lesse I find to be 73423960, and the absolute number answering thereunto is 5423, which I note, and guiding mine eye from thence in a straight line through all the Columns in the Table, in the ninth Column I find the Logarithm given, and the figure 7 over the head thereof, which is the fift figure sought, and therefore 54237 is the absolute number answering to this Logarithme 4.73429566.

If the Index or Characteristique of the Logarithm given be more then 4, as 5, 6, or 7, the five first figures may be found as in the last Example, and the rest by proportion.

Example.

Let the logarithme given be		6.73430030
The five first figures answering to This logaritme are 542378 the	Log. whereof is	4.73429566
There difference is		0464

And the logarithme of the common difference in the same line with the absolute number found is 2.90363 now then I say as this logarithme 2,90363

Is th the logarithme of 100	20000
So is the logerithme of 464	2.66705
To logarithme of 58	1.76349

Which being annexed to 54237, the absolute number of the logarithme given is 54237758.

If the logarithme given by defective find the absolute number thereof as though it were a perfect logarithme, before which if you perfixe as many cyphers less by one as there are enites in the Index or characteristique of the logarithme given. That number so ordered is the decimal fraction answering to the logarithme. Thus the number answering this defective logarithme — 4.93265269 is .00085635274 the number answering to — 3.93265269 is 00085635274 the number answering to 2.93265269 is 085635274 & the number answering to this logarithme 1.93265269 is 8563527 4 & these directions are sufficient for the finding of the logarithme of any number, or the correspondent number of any logarithme given.

CHAP. VII.

The use of Logarithmes *in Multiplication.*

HAving shewed the construction of our Tables, we now come to shew their use in Arithmetique and Geometry, in Arithmetique the Table of logarithmes of absolute numbers is sufficient, in Geometry both Tables are necessary joyntly and severally.

The parts of Natural Arithmetique that require an easier way of resolution then that which is usual, are these of single and comparative Arithmetique, or else those other of the rule of false, creation of powers, and extraction of roots.

2. The parts of single Arithmetique, here performed by the help of logarithmes are Multiplication and Division, for an easier way of working Addition and Subtraction then that which is already taught in Natural Arithmetique is not necessary if possible to be prescribed: yea so prompt and ready is that usual way that those operations onely are here used for the easie resolution of all the other parts of natural Arithmetique, except the creation of powers and extraction of roots, the which are performed by Multiplication and Division, all which we will shew in order, and first the use of logarithmes in Multiplication.

3. In multiplication by logarithmes, when the logarithmes of the numbers given are both perfect, or both defective, adde the logarithme of the multiplicand, to the logarithme of the Multiplicator, their sum is the logarithme of the product, which logarithme so found is in this case of the same kind with the logarithme of the numbers given.

1. *Example.* 369 being given to be multiplied by 54 the product is 19926 For the logarithme of 369 is 2.56702636, and the logarithme of 54 is 1.73239375. The sum of these logarithmes 4.29942011 is the logarithme of 19926 the product of 369 and 54 the numbers propounded to be multiplied.

2. *Example.* In like manner the Decimal fraction, 0125 being given to be multiplied by the Decimal fraction .025 the product will be .0003125 for the logarithme of .0125 is ---2.09691001 & the logarithme of .025 is ---2.39794001, the sum of these logarithmes 4.49485002 is the logarithme of .0003125 the product demanded.

Multiplicand	369	2.56702636	Multiplicand	.0125	---2.09691001
Multiplicator	54	1.73239375	Multiplicator	.025	---2.39794001
Product.	19926	4.29942011	Product	.0003125	---4.49485002

4. And here note that if you carry any tenths to the index place, they are affirmative, and must be subtracted from the sum of the Indices of the logarithmes given, when those Indices are negative or defective.

Example. The decimal fraction 865 being given to be multiplied by the decimal fraction .07. The logarithme of 865 is —1.93701611 and the logarithme of 78 is —2.84509804. Their sum after the usual manner would be —4.78211415 but because the Indices of the logarithmes given are negative, instead of adding one to 3, the sum of the negative Indices I deduct one from it, and then the sum of the given Logarithmes will be —2.78211415 the logarithme of .06055 the product required.

Multiplicand.	865	—1.93701611
Multiplicator.	07	—2.84509804
Product.	06055	—2.78211415

5. When one of the logarithmes given is Defective, adde them together as before, untill you come to the Index, and the tenths which you carry if there be any adde to the affirmative Index, then subtract the lesser index out of the greater, what remaineth having the signe of the greater Index, shall be the Index of the logarithme of the product.

Example. 427 being given to be multiplied, by the Decimal fraction .035. The logarithme of 427 is 2.63042757. and the logarithme of 035 is —2.54406804, and the one which I carry to the Index place being added to the affirmative Index that is to 2 the Index of the logarithme of 427 the sum is 3, from which deducting the lesser Index —2 the remainer is 1 affirmative and the logarithme of the product 14.945 is 1.17449591.

CHAP.

Multiplicand	.427	2.63042787	Multiplicand	.0043	—3.63346845
Multiplicator	.035	—2.54406804	Multiplicator	58	1.76 42799
Product	14.945	1.17449591	Product	.2494	—1.39680444

CHAP. VIII.

Of Diviſion *by Logarithmes.*

DIviſion by logarithmes is performed by ſubtracting the logarithme of the Diviſor from the logarithme of the dividend, if the logarithmes of the numbers given be both perfect, or both defective, and the Diviſor the leſſer number.

Example. 19926 being given to be divided by 369, the logarithme of 19926 is 4.29942011, the logarithme of 369 is 2.56702636, their difference 1.73239375, is the logarithme of 54 the quotient ſought.

2. But if the Diviſor be the greater, ſubtract the Index of the Dividend from the Index of the Diviſor, the remainer ſhall be the negative Index of the quotient, onely remember, that if any tenths be borrowed from the Index place, the upper Index muſt be accounted one leſſe then it is, and the remainer onely muſt be ſubtracted from the lower Index.

Example. 125 being given to be divided by 3125, the logarithme of 125 is 2.09691001, the logarithme of 3125 is 3.49485002 and the difference between theſe logarithmes, ſubtracting the logarithme of the Diviſor from the logarithme of the dividend is 60205999, and becauſe in ſubtracting the laſt figure of the logarithme of the Diviſor, there was a tenth borrowed from the Index of the Logarithme of the Dividend, whereas that Index is 2, account it but one: now then if you deduct 1, the remainer of the Index of the logarithme of the Dividend, from 3, the Index of the Diviſor, the negative Index will be 2, and therefore the entire logarithme of the quotient wil be —2.60205999, whoſe abſolute number 04, is the quotient ſought.

Dividend	19926	4.29942011	Dividend	125	2.09691001
Diviſor	369	2.56702636	Diviſor	3125	3.49485002
Quotient	54	1.73239375	Quotient	.04	—2.60205999

3. When the logarithmes of the numbers given are both defective, the logarithme of the Dividend being the leſs, ſubtract the logarithme of the Diviſor from the logarithme of the Dividend, till you come to the Index, and then ſubtract the greater from the leſſe, and what remaineth, ſhall be the affirmative Index of the quotient, onely remember that if any tenths be borrowed from the Index place, the upper Index muſt be accounted one leſs, that is, if it be —2 it muſt be accounted —3 if it be —3 it muſt be accounted —4, for this increaſing the Index doth decreaſe it in power, making the abſolute number to be a place further from unitie.

Example. .026 being given to be divided by 0035, the logarithme of 026 is —2.41497334, from which ſubtracting —3.54406804, the logarithme of 0035, the remainer will be 0.87090530, the logarithme of 7.428 the quotient required, for one tenth being borrowed from —2 the upper Index, I make it —3, and —3 being ſubtracted from —3 the remainer is nothing.

Dividend	.026	—2.41497334	Dividend	.234	—1.36921585
Diviſor	.0035	—3.54406804	Diviſor	.00051	—4.70757017
Quotient	7428	0.87090530	Quotient	458.1	2.66164568

4. When one of the logarithmes given is defective and the other perfect, the ſum of the Indices ſhall be the Index of the logarithme of the quotient, and of the ſame kind with the upper Index, onely remember, that if any tenths be borrowed from the Index place, the upper Index muſt be accounted one leſs.

Example.

Dividend	.342.	2.53402616	Dividend	.264.	—1.42160393
Diviſor	.105.	—2.54406808	Diviſor	.304.	2.48287358
Quotient	9771.	3.98995806	Quotient	.0008684	—4.93873035

CHAP. IX.

Of the Rule of three by Logarithmes *called,* The rule of Proportion.

HItherto we have ſhewed the uſe of logarithmes in ſingle Arithmetique, here followes there uſe in comparative Arithmetique, which conſiſts chiefly in the eaſie reſolution of the Rule of proportion.

2. And the Rule of proportion commonly called, the Rule of three, is that, by which three numbers being given a fourth proportional may be found.

3. When there are three numbers given to find a fourth, from the ſum of the logarithmes of the ſecond and third, ſubtract the logarithme of the firſt, what remaineth ſhall be the logarithme of the fourth proportional required.

Example. let 3, 8, and 18 be the three numbers given, the logarithme of 8 the ſecond term is .0.90308999 the logarithme of 18 the third term is, .1.25527250 their ſum is .2.15836249, from which deducting 0.47712125 the logarithme of 3 the firſt terme the remainer .1 ^{6}8124 is the logarithme of 48 the fourth proportional required.

If three men ———————	The logarithme of 3 is	A	0.47712125
ſpend 8 *pound* ———————	The logarithme of 8	B	0.90308999
what ſhall 18 *men ſpend?* ———	The logarithme of 10	C	1.25527250
Anſw. 48*l*	From the ſum of B and C		2.15836249
	Subtract A there reſt		1.68124124

4. This Rule may alſo be formed by Addition onely, for if inſtead of the logarithme of the firſt term, we take the complement Arithmetical thereof, and adde it to the logarithme, of the other two given terms, the totall cutting of the firſt figure towards the left hand ſhall be the logarithme of the fourth term required.

	Logarithmes			
As 6	0.77815125		As 6 *Co.ar.*	9.22184875
Is to 15	1.17609126	Or thus	Is to 15	1.17609126
So is 26	1.41497335		So is 26	1.41497335
	2.59106461		To 65	1.81291336.
To 65	1.81291336			

5. And in this manner may the Rule of three inverſe, the double golden rule, and rules of plural proportion with the rule of falſe be alſo performed by logarithmes, but becauſe they may for the moſt part be as readily reſolved by natural Arithmetique, we will omit them here, and immediately proceed to the Geneſis and Analyſis of powers, and the finding out of the continual meanes between any two numbers given, in which the work by natural Arithmetique is very tedious and troubleſome, but by logarithmes very eaſie and no leſs exact.

CHAP. X.

Of the Geneſis *and* Analyſis *of powers by logarithmes.*

FOr as much as allthings are reſolved into the ſame parts, of which they are compoſed, we will firſt ſhew you the parts of which every power doth conſiſt, and then how the ſide or root of that power may be found; now every power is made by multiplying the roote or ſide into it ſelf ſome certain times. For a ſide drawn into it ſelf makes a quadrat. A quadrat drawn into it ſide makes a Cube, and a Cube drawn into its ſides makes a Bi-quadrat or fourth power, and ſo forward by a continual multiplication of every product by the ſide or root; And becauſe that logarithme, doe performe by addition what vulgar numbers doe

doe by multiplication, therefore the doubling trebling, & quadrubling of the logarithme of the root or side, shall give you the logarithm of the square or first power, the Cube or second power, the quadrat or fourth power, and so forward as far as you please.

Example. Let 65 be the root or side given and let the square, Cube and biquadrate be demanded, the logarithme of 65 is ·1.81291336

Whose double is the logarithme of 4225 the square 3.62582672

And their sum is the logar. of 274625 the Cube. 5.43874008

The sum of the first and third is the logar. of 17850625 the biquadrat or fourth power, that is the logarithme of the root multiplied by 4. 7.25165344

2. If therefore it be required to find the several powers of any root, multiply the logarithme of the root given by the Index of the power required, the product shall be a logarithm whose absolute number is the power sought.

Example. Let 26 be the root given and let the fourth power be sought, the logarithme of 26 is ·1.41497335 which being multiplied by 4 the Index of the power required, the product is ·5.65989340 whose absolute number .456976 is the biquadrat or fourth power inquired.

3. If it be required to find the square or Cubick root, or any other root of a number given, Divide the logarithm of the number given by the Index of the power whose root is inquired, and the quotient shall be the logarithm of the root desired.

Example. Let 456976 be the number given and let the Cubick root be desired, the Index of whose power is 3, for in numbers continually proportional from unitie that number which is next to unitie is called the side or root of all that follow, and the following numbers are called, the severall powers of the side. As in this rank of numbers 1, 3, 9, 27, 18, 243, 729, 2187, the number next to unitie is 3 the roote, whose square or second power is 9, the cube or third power is 27, the biquadrat or fourth power is 81, the fifth power is 243, the sixth power is 729, and 2187 is the seventh power; now then in our example in which the Cubick roote is required, the Index I say is 3 by which dividing ·5.65989340 the logarithme of the number given, the quotient is ·1.88663113 whose absolute number ·77.025, is the Cubick root of 456976 the number given.

CHAP. XI.

Between two numbers given, to find as many continual meanes as shall be required, and any one of them first.

TAke the logarithmes of the numbers given, and the difference between those logarithmes divide by the number of meanes required, the quotient being continually added to the logarithm of the lesser number, or subtracted from the greater, shall give you the logarithmes of the meane proportionals required.

Example. Let the numbers given be .15625, and 729, and between these numbers let 5 continuall meanes be sought, which with either of the numbers given will make 6 continual meanes.

The logarithme of 15625 is	B	4.19382003
The logarithme of 729 is	C	2.86272753
There difference	A	1.33109250
Being divided by 6 the quotient is	D	0.22184875

Now by a continuall addition of D .0.22184875 to C .2.86272753 is made this rank of logarithmes whose absolute numbers are the continuall meanes required.

729 .C.		2.86272753				
Adde D		0.22184875				
Sum is	E	3.08457628	1		E	1215
	F	3.30642503	2		F	1025
	G	3.52827378	3		G	3375
	H	3.75012253	4 meane		H	5625
	I	3.97197128	5		I	9375
	K	4.19382003	6		K	15625

2. If any one of these continual meanes be required multiply the quotient D by the distance of the meane required, the product being added to the lesser logarithme, or subtracted from the greater, shall give you the logarithme of the meane required.

Example Let the third mean be sought.

The logar of 279.C.	2.86272753	The logar. of B	4.19382003
The product of D by 3 is	0.66554625	————	0.66554625
The sum. 2 Meane	3.52827378	The difference	3 52827378

3. If it be required to find the continual meanes in the same rank beyond the greatest number given, or below the last, multiply the former quotient D, by the number of meanes required, the product being added to the logarithme of the Lesser number, or subtracted from the greater, shall give you the logarithme of the mean required.

Example. 5625 is the greater number given, between which and 729 we have already found six continual meanes by adding the 6th. part of the difference of their logarithme to the logarithme of the lesser number, or by subtracting it from the greater, and to find the ninth continual mean in the same rank above the greatest number given, multiply the former quotient D .0.21848753 by 9 the place of the mean required, the product will be .1.99663875 which being added to 4.19382003 the logarithme of 15625 the greater number, the aggregate is .6.29045878 the logarithme of the ninth continual mean beyond the greatest number given; or the former product .1.99663875 being subtracted from 2.86272753 the logarithme of the lesser number the remainer is .c.86608878, the logarithme of the ninth continual mean below the least number given.

4. And hence the questions of *Anatocisme* or compound Interest may easily be resolved, the finding out of mean proportionalls being the most difficult thing in those questions, the which as you see are easily found by logarithmes either above the greatest of any two numbers given, or below the least; but in natural Arithmetique very difficult if not impossible to be effected: This most excellent use of logarithmes in Arithmetique we will therefore apply to compound Interest, as the first Inventers of these numbers have done before us; And the questions of Anatocisme or compound Interest, are either such as concerne the *Increase or Rebate of money and annuities*, or such as concerne the *purchase of Annuities* by present or by future payment, of such as concerne the *Increase of money we speak of first.*

PROBL. 1.

To find the Increase of Money for any time, at any rate propounded.

TO resolve all Questions concerning the increase of money, without taking too much from the Borrower, or giving too little to the Lender, there must be continual means found, between the principal propounded, and the aggregate of that principal and the interest thereof, for the time limited by Authority, which is with us a year for the time, and 6 in the 100 for the rate, he therefore that takes above 6 pound for one years use of 100, takes more then the Statute allowes, yet this the most doe, whether it be through the ignorance of the Scrivener, or the condescention of the Borrower, I shall not here dispute, but that they do so is manifest, in that men usually take 3 *l.* for 6 months use for 100 *l.* which is not a proportional increase, for that these three, 100, 103, 106, are not proportional numbers, for if they were the square of 103, the mean number would be equal to the rectangle made of 100 and 106 the two extreames, but the square of 103 is 10609, and the rectangle made of 100 and 106 is but 10600, from whence it is apparent that the proportional increase of money must be Geometrical, not Arithmetical, and therefore the proportional increase for time under a year must be computed, by finding as many continual meanes as you will divide the year into parts; thus to find the true proportional increase for halfe a year at *6 per cent.* you must find a mean proportional between 100 and 106, and to find the true proportional increase for 3 moneths time, there must be 3 continual meanes found, which with either of the extream numbers doth make four answerable to the four quarters in a year, and so for a greater or a lesser time, and the finding of continual means is that which we have explained in this Chapter; and shall further illustrate in the Questions following.

QUEST. 1.

If 100 *pound be forborne for five years and three moneths, to what will it be augmented at* 6 per centum *Compound interest.*

FOr the more speedy finding out the Logarithms of the rate for 1 *l.* at these or any other times that may be propounded, I take the difference between the Logarithm of 100 and the Logarithm of 106, and that difference is the Logarithm of that and the rate added together for a years time, the proportion lieth thus;

If

If 100 *l.* in a years time	The Logar.	2.00000000
Be augmented to 106	The Logar.	2.02530586
What ſhall 1 *l.* be augmented to in the ſame time?	Log.	0.00000000
The Anſwer is 1 *l.* 06 parts of a pound.	Logar.	0.02530586

And thus having gotten the Logarithm of 1 *l.* and the increaſe for a year added together, the Logarithm of the increaſe of 1 *l.* for any number of years is eaſily had; for the Logarithm of 1 *l.* and the rate or increaſe for a year being multiplied by the number of years propounded the product, is the Logarithm of 1 *l.* and the increaſe thereof for thoſe years. Thus 0.02530586 the Logarithm of 1 *l.* and the increaſe for a year being multiplied by 5 the number of years in the Queſtion, the product will be 0.12652932, the Logarithm of the increaſe of 1 *l.* for 5 yeares, and to find the proportional increaſe of 1 *l* for half a year, I muſt find a mean proportional between 100 and 106, which is done by dividing the former difference or increaſe of 1 *l.* for a year by 2, the quarterly increaſe is found by dividing the ſaid difference by 4, to find the monethly increaſe the difference muſt be divided by 12, for a week by 52, for a day by 365, or which is equivalent thereto, firſt by 73, and then by 5.

A Table of Logarithms ſhewing the increaſe of 1 *pound for any time propounded, at* 6 per centum, *Compound Intereſt.*

Dayes.		Moneths.		Years.	
1	0.00006933	1	0.00210882	1	0.02530586
2	0.00013866	2	0.00421764	2	0.05061173
3	0.00020799	3	0.00632646	3	0.07591759
4	0.00027732	4	0.00843529	4	0.10122346
5	0.00034665	5	0.01054411	5	0.12652932
6	0.00041598	6	0.01265293	6	0.15183519
7	0.00048532	7	0.01476175	7	0.17714105
8	0.00055465	8	0.01687957	8	0.20244692
9	0.00062398	9	0.01897940	9	0.22775278
10	0.00069331	10	0.02108822	10	0.25305865
		11	0.02319704		

And in this manner there may be Tables made for any rate propounded, from whence the increaſe of 1 pound for any time, is eaſily found: as in the reſolution of the Queſtion propounded it doth appear.

The Logarithm of the increaſe of 1 *pound at* 6 per cent.

For	5 years	0,12652932
	3 moneths	0.00632646
Logar. of 100 *l.*		2.00000000
Their Sum is		2.13285578

VVhoſe abſolute number 135.7862 is the ſumme to which 100 *l.* will be augmented in that time, which being reduced is 135 *l.* 15 *s.* 9 *d. fere.*

QUEST. 2.

If 475 pound be forborn for 4 years, 3 quarters, and 19 dayes, to what sum will it be augmented, accounting Compound Interest, at 6 per cent.

The increase of 1 *l.* for	4 years	0.10122346
	9 moneths	0.01897940
	19 dayes	0.00131729
The Logarithm of 475 *l.*		2.67669361
		2.79821376
Absolute number 628.3672		
or being reduced 628 *l.* 7 *s.* 4 *d.*		

PROBL. 2.

To find the Rebate of Money for any time, at any rate propounded.

ACcording to the directions of the first Problem find the Logarithmes of the increase of 1 *l.* for the rate and time propounded, the Arithmetical complement thereof is the Logarithm of the Rebate of 1 *l.* for the same time, thus 97469414 the complement Arithmetical of 0.02530586 the increase of 1 *l.* for a year, is in present worth of 1 *l.* due a year hence, and therefore to find the present worth of any summe, for any rate or time propounded, adde the Logarithm of the summe propounded, to the Arithmetical complement of the increase of 1 *l.* for the time propounded, there sum shall be the logarithm of the present worth of the said sum of money sought; as by the resolution of the questions following doth appear.

QUEST. 1.

IF 349 *l.* be due 7 yeares hence, what is it worth to be paid presently rebate or discompt being made at *6 per cent. Comp. Interest.*

		Comp. Arithmetical.
The logarithme of the increase of 1 for 7 yeares	0.17714165.	9.82285895
The Logarithme of 349 *l.* is		2.54282543
	The sum.	2.36568438

is the logarithme of 232.1049, the present work required, which being reduced is 232 *l.* 02 *s.* 01 *d.*

QUEST. 2.

IF 45 *l.* 05 *s.* 06 *d.* be due at the end of 3 yeares, 5 months, and 9 dayes, what is it worth in ready money, Rebate or discompt being made at *6 per centum* compound Interest.

The logarithm of the increase of 1 *l.* for

3 Yeares	0.07591759	*Co-ar.*	9.92408241
5 Months	0.01054411		9.98945589
9 Dayes	0.00062398		9.99937602
Logarithm of 45 *l.* 05 *s.* 06 *d.* or 45.275			1.65585846
		The sum	1.56877278

Is the logarithme of 37.048 the present worth required, which being reduced is 37 *l.* 01 *s. fere.*

PROBL. 3.

To find the increase of Annuities, for any time and Rate propounded.

WHen a yearly Rent or Annuity is forborne a certaine number of yeares, to find to what summe it will be then augmented, according to any rate propounded; first suppose the Annuity to be a yeares interest of a certaine summe of money, and by the Rule of proportion find out a principal correspondent to the interest, then find unto what sum that principle will be augmented, according to that rate given, at the end of the term propounded; this done if you deduct the same principal out of that sum, the remainer is the sum you look for, as is exemplified in the questions following.

QUEST. 1.

IF an Annuity of 7 *l.* 6 *s.* 03 *d.* be in arreare for 8 yeares, unto what sum will it then amount, accounting compound Interest at *6 per centum*, the Annuity being paid by yearly payment, first, to find the correspondent principal, say,

If 6

If 6 pound *Comp. Arith.* Logarith. 6		9.33184875
Give 100*l.* for his principal	100	20.00000000
What is the principal of 7*l.* 6*s.* 0*d.*	7.3125	0.86406588
The anſwer is 121.8750		2.08591463
The logarithme of the increaſe of 1*l.* for 8 yeares *Adde*		0.20244692
The abſolute Number is 194.2502		2.28836155
Principal ſubtract 121.8750		

There reſteth 72.3752 the ſum to which the Annuitie of 7*l.* 6*s.* 0*d.* will be augmented in 8 yeares.

QUEST. 2.

IF an Annuity of 25*l.* be forborne for 10 yeares, and 6 months by 6*l.* 5*s.* quarterly, unto what ſum will it then amount, accounting compound Intereſt at 6 *per centum*, the Annuity growing due by quarterly payments.

To anſwer this and the like queſtions you muſt firſt find the true proportional intereſt of 100*l.* for 3 months, which is not 1*l.* 10*s.* as hath been ſhewed in the firſt Probleme, but 1*l.* 09*s.* 04*d.* $\frac{1}{4}$ *fere.*

For the ſquare root of 106 is 102.956310.140987.
And the biquadrat root of 106. is 101.46738.461689.

And therefore the true proportional Intereſt of 100*l.* at 6 *per centum*, for 6 Months is 2.0563, &c.
And the intereſt of 100*l.* at 6 *per centum*, For 3 Months is 1.4673, &c. Now then I ſay,

If 1.46738461689 *Co. Arithm.*		9.83345604
Give 100*l.* for his principal		2.00000000
What is the principal of 6*l.* 25		0.79588001
The anſwer is 425.9278		2.62933605
The logar. of the increaſe of 1*l.* for 10 years		0.25305865
For 6 Months		0.01265293
The anſwer is	785.3185	2.49504763
Principal ſubtract	425.9278	
There reſteth	379.3907	which is the ſum required.

PROBL. 4.

To find the preſent worth of an Annuity, for any time and rate propounded.

TO find the preſent worth of an Annuity for any time and rate propounded, whether it be by yearly or quarterly payments, you muſt firſt find a principal correſpondent to the Annuity propoſed, as was ſhewed in the laſt Probleme, and to the logarithme of that principal adde the Arithmetical complement of the logarithme of the increaſe of 1*l.* for the time and rate propounded, the abſolute number anſwering to the ſum being deducted from the principal found, will give the preſent worth of that annuity, as is manifeſt by the queſtions following.

QUEST. 1.

WHat is 57*l.* Annuity, Rent or Penſion, to indure 31 yeares, worth in ready money, accounting Intereſt upon Intereſt at the rate of 6 *per centum*, the Annuity growing due by yearly payments.

Firſt, according to the directions of the laſt Problem, I find the correſpondent principal of 57*l.* at the rate of 6 *per centum*, ſaying,

If 6*l.* *Co.ar.*		9.22184875
Give 100*l.* for his principal for a year		2.00000000
What is the principal of 57*l.* for the ſame time.		1.75587485
The anſwer is 950.0000		2.67772360
The log. of the increaſe of 1*l.* for 31 yeares. *Co.ar.*		9.24082405
The abſolute number is 165.40462		2.21854765
The principal anſwering to 57*l.* was found to be		950.00000
From which ſubtract		165.40462
The preſent worth of the Annuity propounded		744.59538

QUEST. 2.

WHat is 14 *l.* Annuity, Rent or Penſion, to endure 46 yeares worth in ready money, accounting Intereſt upon Intereſt at the rate of 6 *per centum*, the Annuity growing due by 3 *l.* 10 *s.* the quarter.

Firſt, I ſay, if 1.4652, &c.	*Co.ar.*	9.83345604
Give 100 *l.* for his principal for 3 moneths		2.00000000
What is the principal of 3.5 for the ſame time		0.54406804
The anſwer is 238.5196		2.37752408
The log. of the increaſe of 1 *l.* for 46 yeares	*Co.ar.*	8.83593020
The abſolute number is 16.3476		1.21345428
The correſpondent principal of 3. 5 was		238.5196
From which ſubtract		16.3476
The preſent worth of the Annuity propounded is		222.1720

PROBL. 5.

To find what Annuity, Rent or Penſion may be purchaſed for a certain ſum of preſent money, to continue any term of yeares at any rate of Compound Intereſt.

WHen a ſum of money is propounded to find what Annnity (to continue any number of yeares, and according to any given rate) that ſum will buy, pre-ſuppoſe at pleaſure any Annuity for the term propounded, and find the value thereof in ready money as hath been ſhewed in the fourth Probleme, this done the proportion will be as followeth.

As the value found, is to the Annuity ſuppoſed: ſo is the ſum of money propounded, to the Annuity required.

QUEST. 1.

WHat Annuity to begin preſently and to continue 28 yeares will 437 *l.* deſerve, accounting compound Intereſt at 6 *per centum.*

Let the ſuppoſed Annuity be 6 *l.* or .06 hundred parts of a pound, the preſent worth of which Annuity may be found by the Table of logarithmes ſhewing the increaſe of money, by ſubtracting the preſent worth of 1 *l.* for the time propounded from 1 *l.* principal; As in the preſent queſtion the logarithme of the preſent worth of 1 *l.* for 28 yeares is 0.29143577, whoſe abſolute number is 1.95630 which being deducting from 1 *l.* the remainer. 804370 is the preſent worth of the yearly Annuity .06 hundred parts of a pound, and 80.4370 is the preſent worth of 6 *l.* Annuity *per annum*, hence to find what Annuity 437 *l.* will purchaſe. I ſay,

As the preſent worth of 6 *l.* Annuity 80.4370	*Co. ar.*	8.09454414
Is to the Annuity ſuppoſed 6 *l.*		0.77815125
So is the ſum of money given. 437 *l.*		2.64048144
To the Annuity ſought 23.596		1.51317683

Or thus,

As the preſent worth of .06 hundred parts of a pound *per annum*, to continue 28 yeares, *viz.* 80437	*Co.ar.*	0.09454414
Is to the Annuity ſuppoſed .06 hundred parts of a pound		—2.77815125
So is the ſum of money given 437 *l.*		2.64048144
To the Annuity ſought 32.596		1.51317683

PROBL. 6.

To find what Annuity to begin preſently, a ſumme of Money due at a time to come, will purchaſe for that time at any rate of Intereſt.

IN the reſolution of this Problem, you muſt firſt find the increaſe of any ſuppoſed Annuity for that time, this done the proportion will be,

As the increaſe of the Annuity ſuppoſed, is to the Annuity purchaſed therewith.

So is any other ſumme of Money propounded; to the Annuity which that will purchaſe.

QUEST. 1.

WHat Annuity to begin preſently, will 235 *l.* not due till 7 years hence, purchaſe for that time, at 6 *per cent.* Compound Intereſt.

Let

Let .06 hundred parts of a pound *per Annum*, be the Annuity ſuppoſed, as in the laſt Problem, the increaſe of this Annuity may be eaſily found, by help of the Table of Logarithmes, ſhewing the increaſe of 1 *l.* by which the Logarithm of the increaſe of 1 *l.* for 7 years is 0.177 14105, whoſe abſolute number 1.503630, is the ſumme to which 1 *l.* will be augmented in that time, from which deducting 1 *l.* the principal, the remainer .503630, is the ſumme to which the Annuity ſuppoſed, .06 hundred parts of a pound *per Annum* will be augmented in 7 yeares time, hence to find what Annuity 235 *l.* will purchaſe, I ſay,

As the Increaſe of the Annuity ſuppoſed .50363	—1.702111 59
Is to the ſuppoſed Annuity .06	—2.7781 5125
So is the ſumme of money propounded 235 *l.*	2.37106786
The ſum	1.14921119
To the yearly Annuity ſought 27.996	1.44710752

PROBL. 7.

The preſent worth of an Annuity being given, to find the rate of Intereſt, which is allowed for the purchaſe Money.

TO anſwer this Queſtion Analitically, from an adfected Equatton, which will for the moſt part be very numerous in power, is difficult and troubleſome, we will therefore reſolve it by ſeveral trials in this manner.

The rate of Intereſt allowed for money, being ſeldome under 5 *l.* or more then 15 *l. per cent* three or four trials will be ſufficient, the firſt of which may conveniently enough be made at 12 *l. per cent.* the ſecond at 9 *l.* and then either higher or lower, according to the anſwer found by theſe trials, as in the Example following.

QUEST. 1.

AN Annuity of 100 *l. per Annum*, for 7 years, being to be ſold for 500 *l.* preſent money, what rate of Intereſt hath the purchaſer for his money.

An Annuity of 1 *l. per Annum*, for 7 yeares at 12 *l. per cent.* is worth	444.03
An Annuity of 1 *l. per Annum*, for 7 yeares at 9 *l. per cent.* is worth	503.30
Their difference is	59.27

The preſent worth given is	500 *l.*
The preſent worth found, at 12 *l. per cent.*	444.03
Their Difference	5597
And therefore, I ſay, if 5927	1.77283493
Give 3 *l.*	0.47012125
What ſhall 55.97	1.74795531
The Anſwer is .833	0.45224163

Which being deducted from 112, the remainer is 109.168, and therefore the rate of Intereſt is 9 *l.* 3 *s.* 4 *d.* the like may be done for any other, and at another trial may be ſomewhat more exactly found, though this be neer enough for ordinary uſe.

In reſolving theſe queſtions of Annuities, it being convenient to uſe the proportional intereſt of 1 *l.* or of 100 *l.* for 6 or 3 moneths time, if the Annuity be to be paid halfe yearly or quarterly, and for a moneths time, if that be the time of payment, we have in the firſt column of the following Table ſhewing the increaſe of 1 *l.* for the ſeveral rates of 5, 6, 7, and 8 *per cent.* ſet down the Logarithmes of the true proportional intereſt of 1 *l.* for one, three, and ſix moneths time, as well as of the whole year, by help whereof all queſtions concerning the Increaſe, Rebate and Purchaſe of Annuities, may eaſily be reſolved for any of thoſe times and rates; and in this manner it is no difficult matter to frame a Table for any particular queſtion; for any time, and at any rate of Intereſt whatſoever.

A Table shewing the increase of 1 pound, at 5 *per centum*, for any time under 51 yeares.

Dayes.		Years.	
1	0.00005805	1	0.02118929
2	0.00011610	2	0.04237859
3	0.00017415	3	0.06356789
4	0.00023220	4	0.08475719
5	0.00029025	5	0.10594649
6	0.00034830	6	0.12713579
7	0.00040635	7	0.14832509
8	0.00046440	8	0.16951439
9	0.00052245	9	0.19070369
10	0.00058050	10	0.21189299
20	0.00116100	11	0.23308228
30	0.00174150	12	0.25427158
40	0.00232200	13	0.27546088
50	0.00290250	14	0.29665018
60	0.00348300	15	0.31783948
70	0.00406350	16	0.33902878
80	0.00464401	17	0.36021808
90	0.00522451	18	0.38140738
100	0.00580501	19	0.40259668
110	0.00638551	20	0.42378598
120	0.00696601	21	0.44497528
130	0.00754651	22	0.46616457
140	0.00812701	23	0.48735387
150	0.00870751	24	0.50854317
160	0.00928802	25	0.52973247
170	0.00986852	26	0.55092177
180	0.01044902	27	0.57211107
190	0.01102952	28	0.59330037
200	0.01161002	29	0.61448967
210	0.01219052	30	0.63567897

Logarithmes of the Interest of 1*l.* for Moneths, at 5 *per cent.*

1	—3.61003424
3	—2.08892364
6	—2.39261037
12	—2.69597000

Moneths.	
1	0.00176577
2	0.00353154
3	0.00529732
4	0.00706309
5	0.00882887
6	0.01059464
7	0.01236042
8	0.01412619
9	0.01589197
10	0.01765774
11	0.01942352

31	0.65686827
32	0.67805757
33	0.69924686
34	0.72043616
35	0.74162546
36	0.76281476
37	0.78400406
38	0.80519336
39	0.82638266
40	0.84757196
41	0.86876126
42	0.88995056
43	0.91113986
44	0.93232915
45	0.95351845
46	0.97470775
47	0.99589705
48	1.01708635
49	1.03827565
50	1.05946495

A Table shewing the increase of 1 pound, at 6 *per centum*, for any time under 51 years.

Dayes.		Years.	
1	0.00006933	1	0.02530587
2	0.00013866	2	0.05061173
3	0.00020799	3	0.07591759
4	0.00027732	4	0.10122346
5	0.00034665	5	0.12652932
6	0.00041598	6	0.15183519
7	0.00048532	7	0.17714105
8	0.00055465	8	0.20244692
9	0.00062398	9	0.22775278
10	0.00069332	10	0.25305865
20	0.00138662	11	0.27836451
30	0.00207993	12	0.30367038
40	0.00277324	13	0.32897624
50	0.00346655	14	0.35428211
60	0.00415987	15	0.37958797
70	0.00485318	16	0.40489384
80	0.00554649	17	0.43019970
90	0.00623980	18	0.45550557
100	0.00693311	19	0.48081114
110	0.00762642	20	0.50611730
120	0.00831973	21	0.53142317
130	0.00901305	22	0.55672903
140	0.00970636	23	0.58203490
150	0.01039967	24	0.60734076
160	0.01109298	25	0.63264667
170	0.01178629	26	0.65795245
180	0.01247960	27	0.68325836
190	0.01317291	28	0.70856422
200	0.01386623	29	0.73387009
210	0.01455954	30	0.75917595

Logarithmes of the Interest of 1*l.* for Moneths, at 6 *per cent.*

1	—3.68730596
3	—2.16654296
6	—2.47074871
12	—2.77315125

Moneths.	
1	0.00210882
2	0.00421764
3	0.00632646
4	0.00843528
5	0.01054411
6	0.01265293
7	0.01476175
8	0.01687057
9	0.01897939
10	0.02108822
11	0.02319704

31	0.78448182
32	0.80978768
33	0.83509355
34	0.86039941
35	0.88570528
36	0.91101114
37	0.93631701
38	0.96162287
39	0.98692874
40	1.01223461
41	1.03754047
42	1.06284634
43	1.08815220
44	1.11345807
45	1.13876393
46	1.16406980
47	1.18937566
48	1.21468153
49	1.23998739
50	1.26529326

A Table shewing the increase of 1 pound, at 7 *per centum*, for any time under 51 years.

Dayes.		Years.	
1	0.00008050	1	0.02938377
2	0.00016100	2	0.05876755
3	0.00024151	3	0.08815133
4	0.00032201	4	0.11753511
5	0.00040251	5	0.14691888
6	0.00048302	6	0.17630266
7	0.00056352	7	0.20568644
8	0.00064402	8	0.23507022
9	0.00072453	9	0.26445399
10	0.00080503	10	0.29383777
20	0.00161007	11	0.32322155
30	0.00241510	12	0.35260533
40	0.00322014	13	0.38198910
50	0.00402517	14	0.41137288
60	0.00483021	15	0.44075666
70	0.00563524	16	0.47014044
80	0.00644028	17	0.49952422
90	0.00724531	18	0.52890799
100	0.00805035	19	0.55829177
110	0.00885538	20	0.58767555
120	0.00966042	21	0.61705933
130	0.01046545	22	0.64644310
140	0.01127048	23	0.67582688
150	0.01207551	24	0.70521066
160	0.01288055	25	0.73459444
170	0.01368538	26	0.76397821
180	0.01449063	27	0.79336199
190	0.01529566	28	0.82274577
200	0.01610070	29	0.85212955
210	0.01690573	30	0.88151333
Logarithmes of the Interest of 1 *l.* for Moneths at 7 *per cent.*		31	0.91089710
		32	0.94028088
		33	0.96966466
		34	0.99904844
1 — 3.75236349		35	1.02843221
3 — 2.23194147		36	1.05781599
6 — 2.53665948		37	1.08719977
12 — 2.84509804		38	1.11658355
Moneths.		39	1.14596732
1	0.00244864	40	1.17535110
2	0.00489729	41	1.20473488
3	0.00734694	42	1.23411866
4	0.00979459	43	1.26350244
5	0.01224324	44	1.29288621
6	0.01469248	45	1.32226999
7	0.01714123	46	1.35165377
8	0.01958998	47	1.38103755
9	0.02203873	48	1.41042132
10	0.02448748	49	1.43980510
11	0.02693622	50	1.46918888

A Table shewing the increase of 1 pound, at 8 *per centum*, for any time under 51 years.

Dayes.		Years.	
1	0.00009157	1	0.03342375
2	0.00018314	2	0.06684751
3	0.00027471	3	0.10027126
4	0.00036628	4	0.13369502
5	0.00045785	5	0.16711877
6	0.00054943	6	0.20054253
7	0.00064100	7	0.23396628
8	0.00073257	8	0.26739004
9	0.00082414	9	0.30081379
10	0.00091571	10	0.33423755
20	0.00183143	11	0.36766131
30	0.00274715	12	0.40108506
40	0.00366287	13	0.43450882
50	0.00457859	14	0.46793257
60	0.00549431	15	0.50135633
70	0.00641003	12	0.53478008
80	0.00732575	17	0.56820324
90	0.00824147	18	0.60161759
100	0 00915719	19	0.63505135
110	0.01007291	20	0.66847510
120	0.01098863	21	0.70189886
130	0 01190435	22	0.73532262
140	0.01282007	23	0.76874637
150	0.01373578	24	0.80217013
160	0.01465150	25	0.83559388
170	0.01556722	26	0.86901764
180	0.01648294	27	0.90244139
190	0.01739866	28	0.93586515
200	0.01831438	29	0.96928890
210	0.01923010	30	1.00271266
Logarithmes of the Interest of 1 *l.* for Moneths at 8 *per cent.*		31	1.03613642
		32	1.06956017
		33	1.10298393
		34	1.13640768
1 — 3.80848106		35	1.16983144
3 — 2.28339568		36	1.20325519
6 — 2.59362362		37	1.23667895
12 — 2.90308998		38	1.27010270
Moneths.		39	1.20352646
1	0.00278531	40	1.33695021
2	0.00557063	41	1.37037397
3	0.00835594	42	1.40379773
4	0.01114125	43	1.43722148
5	0 01392656	44	1.47064524
6	0.01671188	45	1.50406899
7	0.01949719	46	1.53749275
8	0.02228250	47	1.57091650
9	0.02506782	48	1.60434026
10	0.02785313	49	1.63776401
11	0.03063844	50	1.67118777

CHAP. XII.

Of the Use of the Logarithm Sines, *and* Tangents.

HItherto, we have shewed the use of the Logarithmes of Absolute Numbers onely, we will now shew the use of the Logarithm Sines and Tangents also; both in respect of their forme, and of their application, or use jointly with the Table of Logarithmes of Absolute Numbers, in the solution of Plain Triangles, and several, or distinct in Sphærical; in this Chapter we will onely shew the form of our Tables, *viz. How the Sine or Tangent of any Arch or Angle may be found, and the contrary.*

2 And for the general, the answer to this proposition is so easily found, that it needs but a little explanation, the Sines and Tangents of every degree, and hundredth part of a degree in the Quadrant, being in this our Table placed according to the usual manner; as in most other Tables therefore; so likewise in these, the degrees being found in the head or bottom, of the Table, and the parts of those degrees in the first or last columns, you shall in their common Area or meeting, under their respective titles, find the Sine or Tangent required: Thus the Logarithm Sine of 7 degrees, 35 hundred parts, is 9.10697291. And the Logarithm Tangent of the same arch is 9.11055617. The Logarithm sine of 73 degrees, 29 hundred parts, is 9.98126228. And the Logarithm Tangent of the same is 10.52258261.

3 And where their differences are any thing neer equal, the Sine or Tangent of an arch to the thousandth or ten thousandth part of a degree, may by help of the differences be readily enough found, in this manner,

As 1, 10, 100, &c. Is to the difference in the Table, so are the parts given, to the part proportional required.

Thus if it were required to find the Sine of 73 degrees, 29538 parts, the difference in the Table is 2276, and therefore I say,

And the Sine of 73 deg. 29 parts is by the Table 9.98126228, to which 1224 being added, their summe is the Sine of 73 degrees, 29538 parts of a degree.	As 1000	3.00000000
	Is to 2276	3.35717225
	So is 538	2.73078227
	To 1224	3.08795452

4 But where the differences are un-equal, the part proportional thus found is not exact, and therefore it must be corrected by help of the second differences, and in what manner that may be done, Mr. *Brigges* hath shewed in his *Arithmetica Logarithmica*, *Chap.* 12. and according to his Directions we have composed the Table of Equants annexed to the end of the Canon of Sines and Tangents, which we have continued to an hundred parts, and given you the product of these several numbers, by all the 9 Digits, the numbers themselves you may thus make. Multiply any number lesse then 100, by its complement to 100, halfe the product is the number to be placed against the number multiplied, and also against that other number, by which it is multiplied

Example. Let the number given be 23, the complement thereof to 100 is 77, and the product of 23 multiplied by 77 is 17717, the halfe whereof, 885.5 tenths, is to be placed both against 23, and also against 77, as in the Table, the use whereof we will explain by Example.

Let the Sine of 5 degrees, 5677 parts be desired, the difference between the Sines of 5 degrees, 56 parts, and of 5 degrees, 57 parts, is 77795, and by subtracting this difference from the difference next greater, or the difference next lesse from this, the second difference will be found to be 141, now then I say,

As 100	And to correct this part propertional, by the second difference 141:
Is to 77	I seek in the Table of Equants, for the number answering to 77, which
So is 77795	by the former directions is 885.5, and this I multiply by 141, and the
To 59902.15	product is 1248555, as by the work appeareth, from which cutting off

four figures towards the right hand, *viz.* two places more then the number of parts required, the remainer is 124.85, which being added to the part proportional, before found 59902.15, their sum is 60027.00, and this sum being added to the sine of 5 degrees, 56 parts, 8.98627033, the sine of 5 degrees, 5677, will be 8.98687060.

885.5
141
8855.
35420
8855
1248555

Here

Here note that the ſecond difference corrected muſt be added, to the part proportional found, by the firſt differences, if the firſt differences doe decreaſe, or ſubtracted from them if they increaſe, and their ſumme, or difference being added to the Sine or Tangent of the arch next leſſe to the arch ſought, ſhall be the Sine or Tangent required.

5 And becauſe this method is alſo defective towards the beginning of the Canon, we will here ſhew how that defect may be ſupplyed in another manner. In the Canon of Natural Sines the firſt differences of the three firſt degrees, are almoſt equal to 11 places, and therefore the Natural Sine or Tangent of the firſt Centeſm, being given, the other Sines or Tangents will be near found by multiplication, and their Logarithmes by adding the Logarithm of the parts required to the Logarithm Sine or Tangent of the firſt Centeſm in the Canon: between which numbers and the Logarithm Sines and Tangents in the Table, there is ſo ſmall a difference, that the Logarithm Sine or Tangent to any number of parts required, may be by them found, without ſenſible errour.

EXAMPLE.

The Logarithm ſine of 0 deg. 43 parts, is	7.87534174
The Logarithm ſine of 0 deg. 1 Cent. is	6.24187736
The Logarithm of 43 is	1.63346845
Their ſumme is	7.87534581
between which and the Logarithm ſine in the Canon, the difference is	407

Hence to find the ſine of 0 deg. 4356.

To the Logarithm ſine of 0 deg. 1 Cent.	6.24187736
I adde the Logarithm of 43.56	1.63908787
And from their ſumme	7.88096523
Becauſe it is more then the ſine of 0 deg. 44 Cent. I deduct	407
The remainer is the Logarithm ſine of 0 deg. 4356	7.88096116

6 But to prevent this double work of Addition and Subſtraction; In the laſt column ſave one, in the Table of Logarithm ſines and Tangents, to the thouſandth part of the three firſt degrees, we have ſet the differences between the Logarithm ſines of every hundred part, and the Logarithmes of thoſe parts, with the differeuces of thoſe differences, by the addition of which numbers, to the Logarithme of the parts required, the ſine of thoſe parts may be found as before, or more exactly being corrected by their differences.

EXAMPLE.

The difference anſw. to 0 deg. 43 parts is	6.24187329
The Logarithm of 43.56 is	1.63908787
Their ſumme is the ſine of 0 deg. 4356	7.88096116

Or more exactly, by the difference of thoſe numbers in this manner, find the part proportional of the difference between the numbers, againſt 0 deg. 43, and 0 deg. 44, which in the ſines is to be ſubtracted from the greater, and in the Tangents added to the leſſe, ſo have you the difference corrected, which being added to the Logarithm of the parts required, will give you the Sine or Tangent ſought.

In our Example, the difference is 19, and the part proportional is 11 *fere*, which being deducted from 6.24187329, the remainer 6.24187318, is the difference corrected, which being added to the Logarithm of 43.56, 1.63908787, their ſumme 7.88096105 is the ſine of 0 degrees, 4356.

In like manner, for finding the Tangent of an arch, we have there ſet the differences between the Logarithm Tangents of every hundred part, and the ſaid Logarithmes of thoſe parts, with their differences, by the addition of which numbers, (reſpect being had to the part proportional) to the Logarithm of the parts required, the Logarithm Tangent of thoſe parts may be alſo found.

EXAMPLE.

Let the Tangent of 0 degrees, 4356 be ſought, the difference in the Table anſwering to 0 degrees, 43 corrected is 6.24188573
The Logarithm of 43.56 is 1.63908787

Their ſumme is the Tangent of 0 degrees, 4356 7.88097360

8 If the Sine or Tangent to the thouſandth part of the three firſt degrees be required, it may be here found by inſpection onely, for if you ſeek the degree in the head of the Table, and the two firſt figures of parts in the firſt column, towards the left hand, and the third figure amongſt the 9 digits, in the head of the Table; in the common Area or meeting of theſe parts, you have the Sine or Tangent ſought. Thus the ſine of 0 degrees, 435, is 7.88036245, and the tangent of the ſame arch is 7.88037496.

9 The finding of the arch or angle anſwering to a ſine or tangent given, is but the contrary work to the former, and as to the 100 parts of every degree, or the thouſandth part of the three firſt degrees, needs no further direction; or if the arch anſwering to the ſine or tangent given, be more then 3 degrees; the parts of a degree anſwering to that ſine or tangent, may be found by the Rule of Three in this manner.

As the difference in the Table; Is to 10, 100, 1000, &c. So is the difference between the ſine or tangent given, and the next leſſe in the Table, to the parts required.

EXAMPLE.

Let the given ſine be 9.98127452
The ſine next leſſe in the Table is 9.98126228

Their difference is 1224

And the difference between 9.98126228 the ſine of 73.29, and the next greater in the Table is 2276, now then I ſay,

Which being annexed to 73 degrees 29 the neareſt arch given in the Table, the arch anſwering to 9.98127452, is 73 degrees, 29538 parts.

As 2276 — 3.35717225
Is to 1224 — 3.08795452
So is 1000 — 3.00000000
To the parts required 538 — 2.73078227

10 But if the arch or angle anſwering to the ſine or tangent given, be leſſe then 3 degrees, ſeek in that part of the Canon, for the ſine or tangent, which being leſſe, commeth neareſt to the ſine or tangent given, ſo ſhall you have the correſpondent arch to the thouſandth part of a degree; Thus the arch anſwering to this ſine 7.88096116, is 0 degrees, 435 parts, or if the arch anſwering thereunto, be yet more exactly required, deduct the difference which ſtandeth againſt the ſine or tangent in the Table, next leſſe to the ſine or tangent given from the ſaid ſine or tangent given, the remainer ſhall be the Logarithm of the degrees and parts required.

EXAMPLE.

The ſine in the table, next leſſe to 7.88096116, the ſine given is 7.88096245, and the difference anſwering thereunto is 6.24187309, which being ſubtracted from 7.88096116, the ſine given, the remainer 1.63908807, is the Logarithm of 43.56 the parts required.

The form and firſt uſe of the Table of ſines and tangents being thus explained, the ſecond followeth, *viz.* their uſe in the eaſie ſolution of all triangles, whether Plain or Sphærical.

The End of the Firſt Book.

TRIGONOMETRIA BRITANNICA:

The Second Book. First Part.

Of Plain Triangles.

CHAP. I.

A Triangle is a Figure comprehended of three sides, and is either plain or Spherical.

A plain Triangle is that which is described on a plain surface, whose three sides are right lines: and is right angled or oblique.

A plain right angled Triangle is that which hath one right angle. An oblique angled which hath none, *Eucl.*27.*Def.*1.

If a right-angled Triangle be equi-crural, either angle at the base is the half of a right angle, *Ramus* 5.8. Therefore,

If one angle be equal to the rest, it is a right angle, and the contrary also.

If a right line drawn from the vertex or top of a triangle, and bi-secting the base, be equal to the bi-segment, the vertical angle is a right angle.

An Oblique-angular triangle is either obtuse-angular or acute.

An Obtuse-angular Triangle is that which hath one obtuse angle, *Eucl.*28.*Def.*1.

An Acute-angular, which hath all acute angles, *Eucl.*29.*D.*1.

If one angle of a Triangle be greater then the rest, it is obtuse, if lesse, acute. and

If a right line drawn from the top of a triangle, and bi-secting the base, be lesse then the bi-segment, the vertical angle is obtuse, if greater, acute.

The three angles of every triangle are equal to two right, *Eucl.*32.1.

Therefore any two angles of a triangle are lesse then two right. And any side being continued, the exterior angle is equal to the two interiour opposite ones.

If a triangle be equicrural, it is equiangular at the base, and if it be equi-lateral, it is also equi-angular, *Eucl.*5 & 6. *Prop.*6.

Any two sides of a triangle are greater then the third, *Eucl.*20.*P.*1.

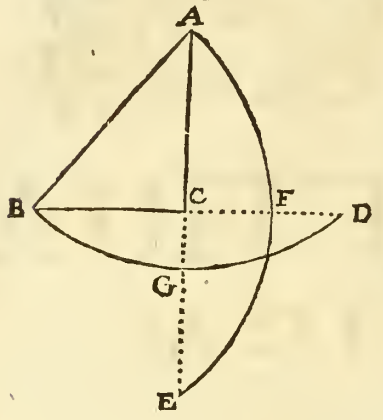
In every triangle, the greater side subtendeth the greater angle, and the greater angle is subtended by the greater side, *Eucl.*19,18.*P.*1.

Complements of angles are so called, with reference either to a Quadrant, or Semicircle.

CHAP.

CHAP. II.

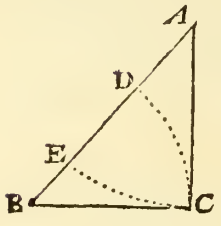
Prop. 1. *In a rectangled Triangle, if the ſide ſubtending the right angle be made the Radius of a Circle, the legs ſhall be the ſines of the oppoſite angles.*



IN the rectangular triangle A B C, with the diſtance A B, and from the centers A and B, let the arks B G D and A F E be deſcribed, then ſhall the legs A C and B C be the ſines of the angles at A and B: for they are the halves of the ſubtenſes A C E and B C D. And therefore,

As the ſine of B, to A C, that is to the ſine A C:
So is the ſine of A, to B C, that is, to the ſine B C.

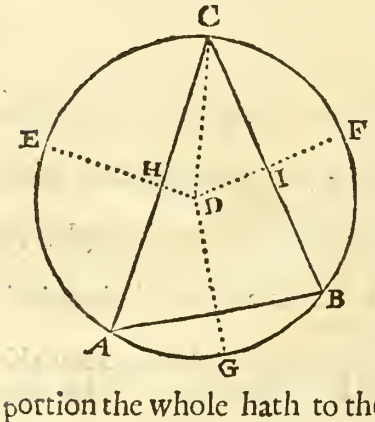
Prop. 2. *In a rectangular Triangle, if from the angular point of either angle, and with the diſtance of either leg, a Periphery be deſcribed, either leg ſhall be the Radius, the other leg a Tangent, and the Hypotenuſa (or ſide ſubtending the right angle) a Secant.*



IN the rectangular triangle A C B, from the angular point B, and with the diſtance of the leg B C, let the periphery D C be deſcribed, then ſhall B C be the radius, A C a tangent, and A B a ſecant of the angle A B C.

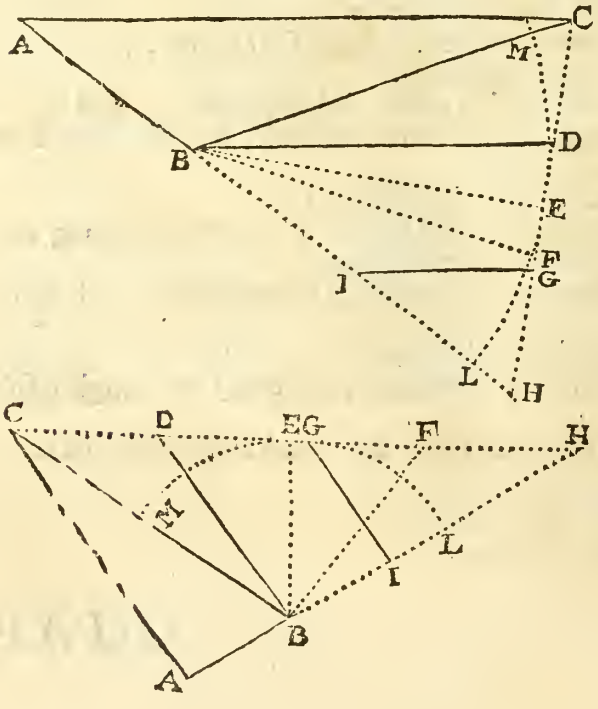
In like manner, if at the diſtance A C, the periphery E C be deſcribed from the angular point A, then ſhall A C be the Radius, B C the tangent, and A B the ſecant of the angle B A C. And therefore,

As the leg put for Radius } *So is the other leg*
Is to Radius: } *To the tangent of his oppoſite angle.*



Prop 3. *In every plain Triangle, the ſides are proportional to the ſines of the oppoſite angles.* And the contrary.

Let the triangle A B C be inſcribed in a circle, and from the center D draw the Radii D F, D E, D G, bi-ſecting as well the peripheries as their ſubtenſes. And let there be alſo drawn the Radius D C, now becauſe the angle at the center E D C is equal to the angle in the periphery A B C, and C D F equal to C A B, *by the 20 of the 3. of Euclid.* therefore ſhall the halves of the ſides be as ſines, and what proportion the ſide C A hath to the ſide C B, the ſame ſhall the ſine C H have to the ſine C I; for what proportion the whole hath to the whole, the ſame ſhall the half have to the half.



Prop. 4. *In every plain Triangle, As the ſum of the two ſides, is to their difference, So is the tangent of the half ſumme of the opyoſite angles, to the tangent of half their difference.*

In the Obliquangular triangle, A B C, let the known ſides be B A, C B, and the angle A B C, comprehended by them, obtuſe-angular in the ſuperiour Diagram, but acute angular in the inferiour. And the ſide A B being continued to H, ſo that H B may be equal to B C, connect the points C & H with the right line C H, and let B I be equal to the ſide A B. Alſo from the points B and I draw the right lines B D and I G, parallel to the ſide A C. Then ſhall the exteriour angle C B H be equal to the two interiour, and oppoſite, *by the 32 of the firſt of Euclid:* for the angle C B D is equal to the angle B C A, and the angle D B H to the angle C A B,

C A B. Moreover, from the point B, let fall the perpendicular B E, which ſhall bi-ſect C H. And with the Radius B E deſcribe the periphery M E L. Therefore ſhall C E be the tangent of halfe the ſumme of the oppoſite angles, and D E (which is equal to F E) the tangent of halfe the difference. Now becauſe A C, B D, I G, are parallel; therefore ſhall C D, D G, F H, be equal, as alſo D F and G H ſhall be equal; Therefore I ſay,

Or, by equality of propprtion.

Proport. { *As* A H / *To* I H / *So* C H / *To* G H = D F } Proportion { *As* A H *The ſumme of the two ſides.* / *To* I H *The difference of the two ſides.* / *So* C E *the tangent of ½ the oppoſite angles.* / *To* D E *the tangent of ½ the difference of the angles.* }

Otherwiſe,

As the ſumme of the two ſides. / *To the greater ſide doubled:* } { *So the tangent of halfe the ſumme of the oppoſite angles,* / *To the ſumme of the tangents of the half ſumme, and the half difference of the angles.*

Otherwiſe,

As the ſumme of the ſides, / *To the leſſe ſide doubled:* } { *So the tangent of halfe the ſumme of the oppoſite angles,* / *To the difference of the tangent of the half ſumme, and the half difference of the angles.*

The Demonſtration of the preceding propoſition, with the annexed Diagrams may ſerve for theſe.

This fourth Propoſition may be alſo expreſſed otherwiſe.

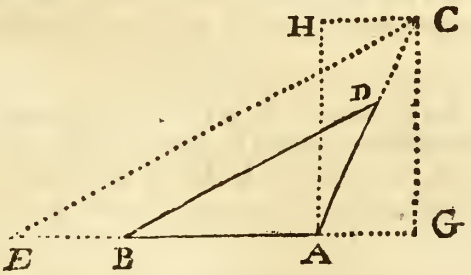
As the leſſer ſide / *Is to the greater,* } { *So is the Secant of the complement, or exceſſe of the angle comprehended.* / *To the fourth.*

Let that fourth be compared with the tangent of the complement or of the exceſs. Then if the angle comprehended be obtuſe, the ſumme; but if acute, the difference is the tangent of the complement of the angle oppoſite, to the leſſer ſide.

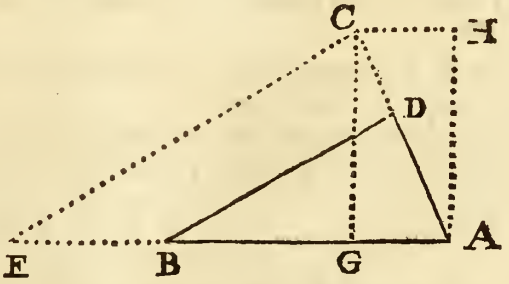
In the Obliquangular Triangle A B D, Let there be known the ſides A B, A D, together with the angle B A D comprehended by them, Obtuſe-angular in the ſuperiour Triangle, but Acute-angular in the inferiour. And the ſides A B, A D, being continued to E and C, from the point C, let the line C E be drawn parallel to the ſide D B, and C G perpendicular to the right line A E; continued where need is. Alſo, from the point A, let the right line A H be drawn equal and parallel to the right line C G, which let be connected with the perpendiculars C H and A G. The Obliquangular triangles, therefore D A B, C A E, are equi-angled, *by the* 4 *and* 5 *Prop. of the* 6 *of Euclid*; A alſo the right angled triangles C A H, and A C G, *by the* 8 *Prop.* 1 *Eucl.* and C G = A H, Radius G A = H C tangent; and C A ſecant, *by the* 2 *Prop. of this Chap.*

I ſay,

Proportion { *As* D A, *the leſſer ſide,* / *To* A B, *the greater ſide:* / *So* C A, *the Secant of the complement or exceſſe of the angle comprehended,* / *To* A E *the fourth.* }



Let that fourth be compared with G A, the tangent of the aegle G C A, then if the angle comprehended be Oblique, the ſumme, but if Acute the difference ſhall be G E, the tangent of the angle G C E; whoſe complement is the angle C E G equal to the angle D B A; And thence by the complement the other angle A D B



☞ Otherwiſe,

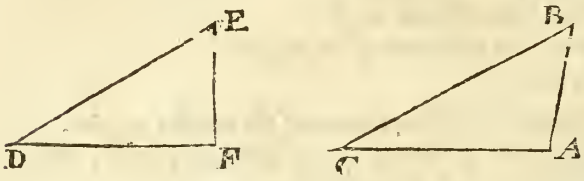
As the greater ſide, is to the leſſe, ſo is the Radius, to the tangent of an arch, *which being deducted from* 45 *degrees, giveth half the difference of the acute angles, in a right angled triangle.*

Or thus, As the leſſer ſide, is to the greater, ſo is the Radius to the tangent of an arch, *from which deducting* 45 *degrees, the remainer will be the half difference as before.* Then the ſides of a right angled triangle comprehending the right angle, being equal to the ſides comprehending the angle given, in an oblique angled triangle, the Analogie is;

As the tangent of the half sum of the two acute angles in a right angled triangle,
Is to the tangent of their half difference:
So is the tangent of the half summe of the opposite angles in an oblique angled triangle,
To the tangent of their half difference.

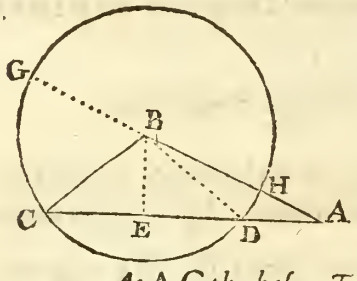
DEMONSTRATION.

Let the sides A C and A B in the oblique angled triangle A B C, be equal to the sides D F and and F E, in the right angled triangle; I say then,



As the summe of A C *and* A B, *is to the difference of* A C *and* A B.
So is the tangent of the half summe of the angles at C *and* B, *to the tang. of half their differ.*
As the sum of DF & FE *is to the dif. of* DF & FE.
So is the tang. of the half summe of the angles at D *and* E, *to the tang. of half their difference,* by the first variety of this proposition; Therefore,

As the tangent of the half summe of the angles at D *and* E, *is to the tangent of half their difference.*
So is the tangent of the half summe of the angles at C *and* B, *to the tangent of half their difference;* as was to be proved.



Prop. 5. *In any plain triangle; As the base to the summe of the other sides, so is the difference of the other sides, to the difference of the segments of the base.*

In the obliquangular triangle A B C, let the base be C A, the summe of the sides G A, the difference of the segments of the base A D. Now because the oblong of A C, A D is equal to the oblong of A G, A H, *by the 36 prop. of the 1 Eucl.* therefore shall their sides be reciprocally proportional. I say therefore,

As A C *the base, To* A G *the summme of the sides;*
So is A H *the difference of the sides; To* A D *the difference of the segments of the base.*
Hence the Segments A E *or* C E.

Otherwise,

Let the difference of the squares of the sides B C, B A *be taken, and divided by the base* C A, *the quotient shall be* D A *the difference of the segments of the base.*

Otherwise,

Let the sides A B, B C, C A, *be squared, and let the square of* B A *be deducted from the other two, let half the remainder be divided by the base, the quotient shall be* C E, *the lesser segment of the base.*
And the square of C B *being deducted from the squares* B A, A C, *half the remainer divided by the base, shall give the quotient* A E, *the greater segment of the base.*

☞ Otherwise;

From the half summe of the sides subtract each particular side, and note the remainers; Then,

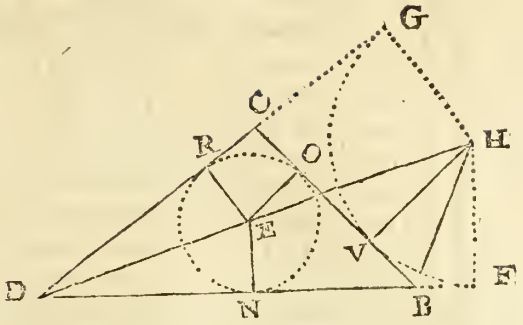
As the Rectangle of the half summe of the sides, and the difference between that half summe, and the side opposite to the angle required.
Is to the Rectangle of the other two remainers.
So is the square of Radius; To the square of the tangent of half the angle sought.

DEMONSTRATION.

In the triangle B C D, *let the sides* D B *and* D C, *be produced to* F *and* G, *so as that* D F *may be equal to half the sides* D B, D C *and* C B, *and equal to* D G, *and let the angles at* F *and* G *be right, upon the point* H *draw the periphery* G V F, *touching the sides* D B *and* D C, *being extended to* F *and* G. *The same arch must of necessity touch the side* C B *also in the point* V, *because* C V *and* V B, *are together equal to* C G *and* B F, *by the work. Now then upon the center* E *describe the circle* N O R, *making* R G *and* N F, *equal to* D C, *then is* D R *or* D N *the difference between* D G *the half summe of the sides, and the side* C B; *and the difference between* D G *the half summe, and the side* D C *is the right*

line

line G C *or* B N, *to which let* O B *be equal, and the difference between* D F *the half ſumme, and the ſide* D E *is the right line* B F, *equal to* C O, C R, *or* B V, *and the triangles* E N B *and* B F D *are like, becauſe their angles at* N *and* F *are right, and* N B O, O B F, *are equal to two right*; by the 9 of the ſecond, *and* N B E *and* F B H, *are together equal to half two right*; *and therefore* F B H *and* N E B *are equal, and* N B E *is alſo equal to* F H B. *Therefore, As* E N. N B :: B F. F H, *and the rectangle made of* E N *and* F H *is equal to the rectangle made of* N B *and* B F. *But as* F D. N D : : H F. E N, *and as* H F *to* E N, *ſo is the rectangle of* H F *and* E N *to the ſquare of* E N, *whoſe root is the ſide* E N, *or the Radius of the circle* N O R; *and now if you dedu&t the ſide* D C *oppoſite to the angle at* B, *from* D G *the half ſumme of the ſides, the difference is* C G, *equal to* N B, *then in the triangle* E N D; *As* N D. *Rad.* : : N E *to* D.



First, then, As F D. N D : : B N in F B. E N ſquare, and multiplying the firſt and ſecond terms by the ſecond N D.

As F D in N D. N Dq. : : B N in F B. E Nq. Or thus,
As F D in N D. B N in F B : : N Dq. E Nq.
Againe, As N D. E N : : Rad. to E D N. And ſquaring them.
As N Dq. E Nq : : Radq to q E D N. And therefore,
As F D in N D. B N in F B : : Radq. to. E D N. That is,

As the rectangle of F D *the half ſumme of the ſides, and* D N *the difference between the half ſumme* F D *and the ſide* C B.

Is to the rectangle of B N *and* F B *the differences of the other ſides, and the half ſumme.*

So is the ſquare of Radius; *To the ſquare of the tangent of the angle* E D N, *or half the angle* C D B, as was to be proved.

CHAP. III.

Of the manner of converting Sexagenary *parts into* Decimal, *and the contrary.*

THe given parts are reduced to another Denomination, if the Numerator of the given parts ſhall multiply the new Denominator, and the product be divided by the Denominator of the given parts, the quotient ſhall be the Numerator of the parts deſired.

Let the given parts be $\frac{12}{60}$, and let the new Denominator given be $\frac{20}{100}$; It is required to find a Numerator, ſo agreeing with this Denominator, as that the parts found may be equal to the parts given.

Proport.			
	As the Denominator given	60	
	To the Numerator given	12	$\frac{12}{60}$ are equal to $\frac{20}{100}$
	So is the new Denominator	100	
	To the Numerator found	20	

Therefore if the Denominator taken ſhall multiply the Numerator given, and the product be divided by the Denominator given, the quotient ſhall be the Numerator required. And minutes or Sexagenary parts being given, (ſince multiplication by 100 *s.* altereth nothing) let diviſion be made by 6, the quotient ſhall be the Numerator ſought.

As let 29 deg. 27 be thus placed $29.^{27}$ and let 27 be divided by 6, and let the quotient be placed in the lower line, thus $29.^{27}_{45}$, the quotient is $\frac{45}{100}$, and this is the Numerator ſought, and 29 deg. 27 are equal to $29\ \frac{45}{100}$.

Here followeth a Table for the reducing of Sexagenary parts into Decimal, and the contrary.

Sexa.	*Primes.*	*Seconds.*	*Thirds.*	*Fourths.*	*Fifths.*
1	0166.666.667	0002.777.778	0000.046.296	0000.000.772	0000.000.013
2	0333.333.333	5.555.555	.92.593	.1.573	.26
3	0500.000.000	8.333.333	.138.889	.2.315	.39
4	0666.666.667	11.111.111	.185.185	.3.046	.51
5	0833.333.333	13.888.889	.231.481	.3.858	.64
6	1000.000.000	16.666.667	.277.778	.4.630	.77
7	1166.666.667	19.444.444	.324.074	.5.401	.90
8	1333.333.333	22.222.222	.370.370	.6.173	.103
9	1500.000.000	25.000.000	.416.667	.6.944	.116
10	1666.666.667	27.777.778	.462.963	.7.716	.129
11	1833.333.333	30.555.556	.509.259	.8.488	.141
12	2000.000.000	33.333.333	.555.556	.9.259	.154
13	2166.666.667	36.111.111	.601.852	.10.031	.167
14	2333.333.333	38.888.889	.648.148	.10.802	.180
15	2500.000.000	41.666.667	.694.444	.11.574	.193
16	2666.666.667	44.444.444	.740.742	.12.345	.206
17	2833.333.333	47.222.222	.787.037	.13.117	.219
18	3000.000.000	50.000.000	.833.333	.13.889	.232
19	3166.666.667	52.777.778	.879.630	.14.660	.245
20	3333.333.333	55.555.555	.925.926	.15.432	.258
21	3500.000.000	58.333.333	.972.222	.16.204	.270
22	3666.666.667	61.111.111	1.010.518	.16.975	.283
23	3833.333.333	63.888.889	1.064.814	.17.747	.296
24	4000.000.000	66.666.667	1.111.111	.18.518	.309
25	4166.666.667	69.444.444	1.157.407	.19.290	.322
26	4333.333.333	72.222.222	1.203.703	.20.062	.335
27	4500.000.000	75.000.009	1.250.000	.20.833	.348
28	4666.666.667	77.777.778	1.296.296	.21.605	.360
29	4833.333.333	80.555.555	1.342.592	.22.376	.373
30	5000.000.000	83.333.333	1.388.888	.23.148	.386
31	5166.666.667	86.111.111	1.435.184	.23.920	.399
32	5333.333.333	88.888.889	1.481.481	.24.691	.412
33	5500.000.000	91.666.667	1.527.777	.25.463	.425
34	5666.666.667	94.444.444	1.574.073	.26.234	.438
35	5833.333.333	97.222.222	1.620.370	.27.006	.450
36	6000.000.000	100.000.000	1.666.666	.27.778	.463
37	6166.666.667	102.777.778	1.712.963	.28.549	.476
38	6333.333.333	105.555.555	1.759.259	.29.321	.489
39	6500.000.000	108.333.333	1.805.556	.30.092	.502
40	6666.666.667	111.111.111	1.851.852	.30.864	.515
41	6833.333.333	113.888.889	1.898.148	.31.636	.527
42	7000.000.000	116.666.667	1.944.444	.32.407	.540
43	7166.666.667	119.444.444	1.990.740	.33.179	.553
44	7333.333.333	122.222.222	2.037.037	.33.950	.566
45	7500.000.000	125.000.000	2.083.333	.34.722	.579
46	7666.666.667	127.777.778	2.129.629	.35.494	.592
47	7833.333.333	130.555.555	2.175.925	.36.265	.605
48	8000.000.000	133.333.333	2.222.222	.37.037	.618
49	8166.666.667	136.111.111	2.268.518	.37.808	.630
50	8333.333.333	138.888.889	2.314.815	.38.580	.643
51	8500.000.000	141.666.667	2.361.111	.39.352	.656
52	8666.666.667	144.444.444	2.407.407	.40.123	.669
53	8833.333.333	147.222.222	2.453.703	.40.895	.682
54	9000.000.000	150.000.000	2.500.000	.41.666	.694
55	9166.666.667	152.777.778	2.546.296	.42.438	.707
56	9333.333.333	155.555.555	2.592.562	.43.210	.720
57	9500.000.000	158.333.333	2.638.889	.43.981	.733
58	9666.666.667	161.111.111	2.685.185	.44.753	.746
59	9833.333.333	163.888.889	2.731.481	.45.524	.759

Thus the Moons Diurnal motion, according to *Copernicus* 12 deg. 11′ 26″ 41‴ 31⁗, is reduced to 12.19074776. Thus the motion of the Sun for 44 dayes, 43 deg 22′ 0″ 19‴, is reduced to 43.3667546.

31	19
41.51667	00.316667
26.661944	22.00527773
11.4448647	43.3667546
12.19074776	

This may be more easily done by help of the Table following, by adding the Decimal parts answering to the first, second, third, and fourth Minutes, into one summe thus.

The Decimal parts answering to

11 Primes or Minutes are	1833.333.333	22 Min.	3666.666.6667
26 Seconds	72.222.222	0 Sec.	0
41 Thirds	1.898.148	19 Thirds	899.630
31 Fourths	43.920		
The Summe	1907.477.623	The Summe	3667.546.297

On the contrary, if Centesimal parts given, be to be reduced into Sexagenary, let the parts given be multiplyed by 60, the product being divided by 100, (that is two places being cut off from the product) shall give the number of minutes. *For Example.*

Let there be given deg. 29.45, it is demanded how many minutes are equal to $\frac{45}{100}$, let 45 the numerator be multipled by 60, the product shall be 2700; I say, cutting off two cyphers, that 27 Minutes, are equal to 45 Centesms. Thus, let the Moons Diurnal motion be deg. 12.19074776, let the parts 19074776 be multiplied by 60, they amount to 11.44486560. The first product, and the Moons Diurnal motion shall be 12 deg. 11.44486560. These Decimal parts.4486560, are in the same manner reduced to seconds, by multiplication by 60. Thus,

11.44486560		And after the same manner, the Deci-
26.69193600	41.51616000	mals of the seconds to thirds, &c.
	30,96960000	

Thus the Suns motion in 44 dayes, is 43.36675463

The same motion of the Sun in 44 dayes 22.00527780
Is 43 deg. 22′ 00″ 19‴ 00.31666800
19.00008000

Note, *That from every product, eight places are to be cut off, that is as many as are in the Numerator of the parts given, the rest are Minutes, Seconds, Thirds, &c.*

By help of the former Table, may be also found by continual subtraction of the next lesser Decimal parts there, from those given, the Sexagenary answering to them; Thus,

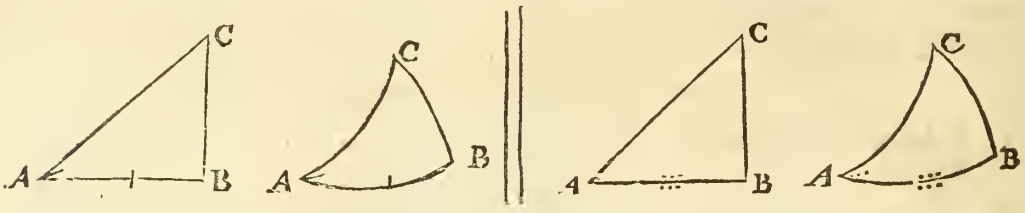
The parts given	1907.477.6		
found	1833.333.3	11	First Min.
	74.1443		
Found	72.2222	26	Seconds.
	1.9221		
Found	1.8981	41	Thirds.
	240		
Found	239	31	Fourths.
The parts given	3667.5463		
Found	3666.6666	22	First Minutes.
	8797		
Found	8796	19	Thirds.

CHAP. IV.

Of the Dimenſion of Rectangular Triangles.

In the ſolution of all Triangles, we expreſſe

The given terms thus, The inquired thus,



Moreover in rectangular triangles plain and ſpherical, the ſide ſubtending the right angle, we call the Hypotenuſa, as the ſide A C ſubtending the right angle A B C. And thoſe which comprehend the right angle the legs, as the ſides A B, C B.

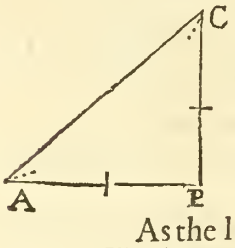
Let the Trigonometer alſo know, that in the dimenſion of triangles by the rule of proportion, wherein there are four terms, three given, a fourth inquired. If the terms of the proportions be Sines, Tangents, Secants, or Sides. The product of the ſecond and third, divided by the firſt, the quotient gives the fourth.

But if the terms be the Logarithmes of the Sines, Tangents, Secants, or Sides, if from the ſumme of the Logarithmes of the ſecond and third, we ſubduct the Logarithm of the firſt, the difference ſhall be the Logarithm of the fourth inquired.

PROBL. 1.

The legs given, to find either angle.

IN the rectangular triangle A B C, either of the acute angles is inquired from the given legs A B 1123.7943, B C 605.8601.



The terms of proportion.

Propor { *As the one leg,* } { *So the Radius.* / *To the other leg:* } { *To the tangent oppoſite to the other leg.* Pro. 2. ch. 2.

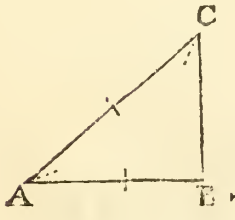
Illuſtration Arithmetical.

	Logarithmes
As the leg A B 1124.7943	3.05068681
To the leg B C 605.8601	2.78237235
So the Radius A B 90 deg,	10.0000000
To the tangent of B A C deg. 28.33	9.73168554
Hence the complement B C A 61.67	

PROBL. 2.

The Hypothenuſa and a leg given, to find either angle.

In the rectangular triangle A B C, either of the acute angles is inquired having



Given, { The leg A B 1123.7943. / The Hypot. A C 1276.7067. }

The terms of proportion.

Proportio. { *As the Hypotenuſa given* / *To the leg given:* / *So the whole ſine* / *To the Sine of its oppoſite angle*; by the 1 Prop. of the 2 Chap.

Illuſtra-

Illustration Arithmetical.

As the Hypotenusa A C 1276.7067	3.10609114
Is to the leg A B 1123.7943	3 05068681
So is the whole sine	10.00000000
To the sine of A C B deg. 61.67	9.94459567

whose complement deg. 28.33 is the other angle B A C.

Otherwise,

As the leg given, To the Hypotenusa given: } *So is Radius, To the Secant of the angle comprehended, by the terms given.*

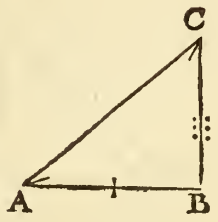
But by reason of the easie use of Logarithmes, there is no need of this variety.

PROBL. 3.

The angles and one leg given, to find the other leg.

In the rectangular triangle A B C, the leg B C is inquired, from

The given { Leg A B 1123.7943 ; Angles { A C B deg. 61.67 ; B A C deg. 28.33



The terms of proportion.

Proportio { *As the Radius, To the leg given: So the tangent of the angle conterminat with the given leg. To the leg inquired,* by the 2 Prop. of the 2 Chap.

Illustration by Numbers.

As the Radius A B	10.00000000
To the leg A B 1123.7943	3.05068681
So is the tangent of B A C. deg. 28.33	9,73168554
To the leg B C 605.8601	2.78237235

Otherwise,

As the sine of the angle opposite to the given leg, To the sine of the angle opposite to the leg inquired: } *So the leg given, To the leg inquired;*

Otherwise,

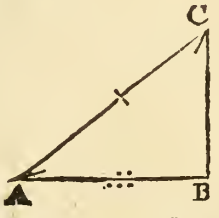
As the tangent of the angle opposite to the given leg, Is to Radius; } *So is the leg given, To the leg inquired.*

PROBL. 4.

The Hypothenusa and angles given, to find either leg.

In the rectangular triangle A C, the leg A B is inquired, from the

Given, { Hypotenusa A C 1276.7067 ; Angles { A C B deg. 61.67 ; B A C deg. 28.33



The termes of proportion.

Proportio { *As the whole ſine* / *To the Hypotenuſa* / *So the ſine of the angle oppoſite to the leg inquired,* / *To the leg inquired,* by the 1 prop. of the 2 chap.

Illuſtration Arithmetical.

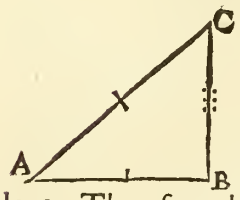
As the whole ſine	10.00000000
To the Hypotenuſa 1376.7067	3.10609114
So the ſine of the angle A C B 61.67	9.94459567
To the leg A B 1123.7943	3.05068681

This Problem may be alſo wrought by tangents and ſecants, but for their ſupervacaneous uſe we have purpoſely omitted them.

PROBL. 4.

The Hypothenuſa and a leg given, to find the other leg.

In the rectangular triangle A B C, the leg B C is inquired, from the



Given, { Hypotenuſa 1276.7067 / Leg A B 1123.7943.

The 47 *Prop.* 1 *Eucl.* doth expedite the ſolution of this problem, for ſeeing that the Hypotenuſa in a rectangular triangle, is in power equal to the legs. Therefore the ſide of the difference of the ſquares of the Hipotenuſa, and the leg given ſhall be the leg inquired. They which delight in theſe artifices, may conſult Mr. *Brigges Arith. Logarith.* chap. 18 and 19, but becauſe our preſent purpoſe is to illuſtrate the uſe of the Canon, we will therefore reſolve this problem with ſome others following, by the help thereof. To the ſolution of this, there is required two operations, the firſt is to find an angle, and the ſecond the leg.

The terms of the proportions, for the 1 operation, by the 2 problem.

As the Hypotenuſa given,
To the leg given;
So the whole ſine,
To the ſine of the angle conterminat with the leg inquired; 1 Pr.ch.2.

Operation 2.

As the whole ſine, / *To the Hypotenuſa given:* { *So ſine of the angle conterminate with the leg given.* / *To the leg inquired.*

Operation 2. by the 3 Problem.

As the Radius, / *To the tangent of the angle conterminate with the leg given:* { *So the leg given;* / *To the leg inquired;*

Illuſtration Arithmetical, 1 Operation.

As the Hypotenuſa A C 1276.7067	3.10609114
To the leg A B 1123.7943	3.05068681
So the whole ſine	10.00000000
To the ſine of A C B 61.67	9.94459567

Operation 2.

As the whole ſine	10.00000000
To the ſine of C A B deg. 28.33	9.67628121
So the Hypothenuſa A C 1276.7067	3.10609114
To the leg B C 605.8601	2.78237235

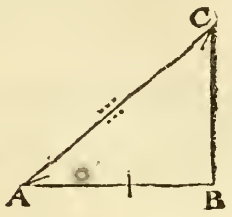
PROBL.

PROBL. 6.

The angles and a leg given, to find the Hypotenusa.

In the rectangular triangle A B C, the Hypotenusa A C is inquired, from the

Given, { Leg A B 1123.7943 ; Angles { A C B 61.67 ; B A C 28.33 }



The terms of proportion.

Proportio { *As the sine of the angle opposite to the leg given, To the whole sine: So the leg given, To the Hypotenusa inquired*; by the 1 Prop. of the 2 Chap.

Illustration Arithmetical.

As the sine of A C B deg. 61.67	9.94459567
To the whole sine	10.00000000
So the leg A B 1123.7943	3.05068681
To the Hypotenusa A C 1276.7067	3.10609114

Otherwise.

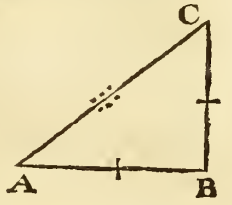
As the Radius, To the leg given: { *So the secant of the angle conterminate with the leg given, To the Hypotenusa inquired:* by the 2 Prop. Chap. 2.

PROBL. 7.

The legs given, to find the Hypotenusa.

In the rectangular triangle A B C, the Hypotenusa A C is inquired, from the

Given Legs { A B 1123.7943 ; B C 605.8601 }



The terms of proportion.

1 For either of the acute angles.

Proportion { *As either leg, To the other leg: So is Radius, To the tangent of the angle opposite to the other leg:* Prop. 2. Chap. 2.

2 For the Hypotenusa.

Proportio { *As the sine of the angle opposite to a leg, To the leg opposite to the angle: So the whole sine, To the Hypotenusa.*

Or proportio { *As the Radius, To the secant of the angle conterminat with the leg: So the leg conterminate with the angle, To the Hypotenusa*; Prop. 2. Chap. 2.

Illustration by Numbers, 1 for the angle B A C.

As the leg A B 1123.7943	3.05068681
To the leg B C 605.8601	2.78237235
So the Radius A B	10.00000000
To the tangent of B A C 28.33	9.73168553
2 For the Hypotenusa.	
As the sine of B A C 28.33	9.67628121
To the whole sine	10.00000000
So the leg B C 605.8601	2.78237235
To the Hypotenusa A C 1276.7067	3.10609114

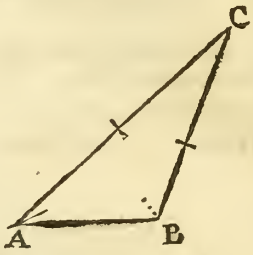
CHAP. V.

Of the Dimension of plain Obliquangular Triangles.

PROBL. 1.

Two sides and an angle opposite to one of them given; to find the angle opposite to the other side.

In the Obliquangular triangle A B C, the obtuse angle A B C is inquired from



The given { Sides { A C 1276.7067 ; B C 865.1765 } ; Angle C A B 37.4454 }

The terms of proportion.

Proportio { *As the one side, To the other side: So the sine of the angle opposite to the one side: To the sine of the angle opposite to the other side:* Prop. 3. chap. 2.

Illustration Arithmetical.

As the side B C 865.1765	2.93710473
To the side A C 1276.7067	3.10609114
So the sine of B A C 37.4454	9.78390723
Summe	12.88999837
To the sine of A B C deg. 116.2064	9.95289364

Hence by the complement the other angle A C B deg. 26.3482.

Note, If the given angle be obtuse, the side opposite thereto shall be greater then either of the rest, and the other two angles shall be acute.

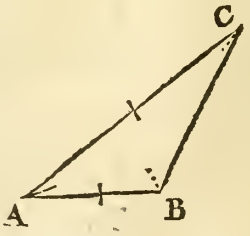
But if the given angle be acute, and the sides given, it will be doubtful whether the angle opposite to the greater side be obtuse, right, or acute, and yet the fourth proportion shall be alwayes the same, namely, the sine of the acute angle, or its complement to two right.

Therefore that we may be certain of what quality the angle is, which is opposite to the greater side, let there be taken the summe and difference of the greatest side and middle, (or least,) and their Logarithms; If the half of them be equl to the Logarithm of the third side, the angle opposite to the greater side is a right angle; But if the Logarithm of the third side, be greater then the halfe, it is acute, if lesse it is obtuse. *As the learned Mr.* Brigges *in his Arithmetica Logarithmica, cap.* 18. *The* London *Edition.*

PROBL. 2.

Two sides with the angle comprehended by them, given; to find either of the other angles.

In the Obliquangular triangle A B C, either angle is inquired at B or C, from



The given { Sides { A C 1276.7067 ; A B 631.5525 } ; Angle B A C 37.4454 }

The terms of proportion.

Proportio { *As the summe of the sides given, To the difference of the sides given: So the tang. of halfe the sum of the opposite angles, To the tangent of half the difference of the opposite angles.* Prop. 4. Chap. 2.

Illustra-

Illuſtration by Numbers.

The ſide A C	1176.7065	
The ſide A B	631.5525	
The ſumme of the ſides	1908.2592 D	
Difference of the ſides	645.1542 E	
The greater ſide doubled		2553.4134 G
The leſſer ſide doubled		1263.1050 H
The comprehended angle given,	deg. 37.4454	
A Semicircle	180.0000	
The ſumme of the reſt	deg. 142.5546	
The half ſumme	deg. 71.2773 F	
As the ſumme of the ſides D 1908.2592		3.28063736
To the difference of the ſides E 645.1542		2.80966352
So tangent half ſumme F deg. 71.2773		10.46989901
		13.27956253
To tangent half difference deg. 44.9291		9.99892517

To this half ſumme of the angles deg. 71.2773 } 71.2773
If there be added the half difference deg. 44.9291 } but if ſubtract 44.9291

The aggregate is the obtuſe angle A B C deg. 116.2064 } Reſts acute A C B 26.3482

Otherwiſe.

As the ſumme of the ſides D 1908.2592		3.28063736
To the greater ſide doubled G 2553.4134		3.40712112
So tang. half ſumme of the angles F 71.2773		10.46989901
To the ſumme of the tangent half ſumme and		13.87702013
half difference of the angles 394805		10.59638277
Natural tang. half ſumme 295052		
Differ. of the tangent 99753 Tang.	deg.	44.9291
The half ſumme of the oppoſite angles		71.2773
The ſumme is the angle A B C		116.2064
The difference is the angle A C B		26.3482

Otherwiſe.

As the ſumme of the ſides D 1908.2592		3.28063736
To the leſſer ſide doubled H 1263.1050		3.10143945
So tangent half ſumme F 71.2773		10.46989901
To the difference of the tangent half ſumme, and half differ. of the angles 195299		13.57133846 10.29070110
Natural tangent half ſumme 295052		
Their difference 99753 tan.	deg.	44.9291
The half ſumme of the oppoſite angles		71.2773
The ſumme of theſe is the angle A B C		116.2064
The difference is the angle A C B		26.3482

Otherwiſe.

Retaining the ſame *Data*, *viz.* The Sides A C 1276.7067, A B 631.5525 comprehending the ſame acute angle C A B deg. 37.4454, whoſe cotang. Natural is 1305800.

As the leſſer ſide A B	631.5125	2.80040945
To the greater ſide A C	1276.7067	3.10609114
So the Secant of the angle comprehended	37.4454	10.21609114
		13.32218390
To a fourth number	3324866	10.52177445
From which ſubtract cotang.	1305800	
Difference	2019066	Tang. deg. 63.6518,

whoſe complement is deg.26.3482. The angle A C B oppoſite to the leſſer ſide. And thence by the complement the obtuſe angle A B C is deg. 116.2064.

But if the angle comprehended be obtuſe.

Viz. deg.116.2064, of whoſe exceſſe 26.2064
The Natural tangent is 492199. And the ſides { A B 631.5525 / B C 865.1765

As the leſſer ſide A B	631.5525	2.80040945
To the greater ſide B C	865.1765	2.93710474
So the Secant of the exceſſe	26.2064	10.04710635
		12.98421109
To a fourth	1526868	10.18380164
To which adde the tang.	492199	The tangent of the exceſſe;
The ſumme	2019067	Tang. deg. 63.6518,
whoſe complement		deg. 26.3482, is the

ngle A C B, oppoſite to the leſſer ſide. And thence the other acute angle B A C 37.4454, as before

☞ Or yet otherwiſe.

As the greater ſide B C	865.1765	2.93710474
To the leſſer ſide A B	631.5525	2.89040945
So is Radius		10.00000000
To the tangent of deg.	36.1283	9.86330471
Which ſubtract from deg.	45.	
Their difference deg.	8.8717,	is the half difference of the oppoſite, or acute angles, in a right angled triangle.

Operation 2.

As the tangent half ſumme, or 45 deg.		10.00000000
To tangent half difference deg.	8.8717	9.19337453
So tangent half ſumme	31.8968	9.79404703
To tangent half differ.	5.5486	8.98742156
The ſumme	37.4454	is the angle B A C.
The difference	26.3482	is the angle A C B, as before.

Or if inſtead of ſubtracting the firſt arch found 36.1283, from 45 deg. you take their ſumme, the aggregate is the complement of the former difference deg. 8.8717 to a Quadrant.

The firſt arch found deg.	36.1283		81.1283
The half ſumme adde deg.	45.	Half difference	8.8717
The aggregate is deg.	81.1283	Aggregate is	90.0000

Therefore it is all one whether I ſay, As Radius to tangent 8.8717, or as Radius to cotang. 81.1283, ſave onely that addition is ſomewhat more ready then ſubtraction, and is therefore the method uſed in *Aſtronomia Britannica.*

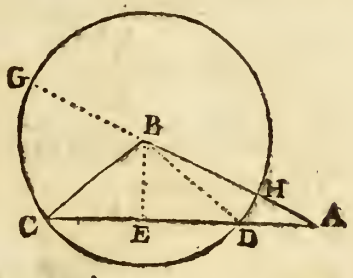
PROBL.

PROBL. 3.

The three sides given, to find an angle.

IN the Obliquangular triangle A B C, either angle is inquired; suppose B A C from the three sides

Given { A C 1276.7067
A B 865.1765
B C 631.5525



For the solution of this Problem, there are required two operations. The first will be for the segment D A, the second for the angle inquired.

1 *For the segment* D A.

The terms of proportion.

Propos. { *As the base, or greater side,*
To the summe of the other sides:
So the difference of the other sides,
To the difference of the segment of the base.

Illustration by Numbers.

As the greater side A C	1276.7067	3.10609114
To the summe of A B and B C	1496.7290	3.17514317
So is the difference H A	233.6240	2.36851745
		5.54366062
To the diff. of the segm. of the base A D	273.8858	2.43756947
The differ. of this and the base C D	1002.8209	
The half whereof is C E or D E	501.41045	
Hence A E	775.2962	

Knowing the segments, we may find the angles of either rectangular triangle, *by the second Problem of the third Chapter*, but we shall find the angle E C B.

The terms of proportion.

As the leg given, { *So the Radius,*
To a Hypotenusa given; { *To the Secant of the angle comprehended by the* Data.

Illustration Arithmetical.

As the leg given C E	501.41045	2.70019333
To the Hypotenusa given C B	631.5525	2.80040945
So the Radius C E		10.00000000
To the Secant of the angle E C B deg.	37.4454	10.10021612

Now though this Canon doth not exhibite the Logarithms of the Secants, yet if this fourth which is indeed the Logarithm of the Secant be subtracted from twice Radius, there shall remaine the Logarithm sine of the complement of the angle E C B.

As for Example.

Twice Radius		20.0000000
Logarithm of the Secant		10.10021612
Logarithm sine C B E	52.5546	9.89978388
Therefore the angle E C B	37.4454	

OR,

As the Hypotenusa C B	631.5525	2.80040945
To the leg C E	501.4104	2.70019333
So is the whole sine		10.00000000
To the Sine of the angle C B E deg.	52.5546	9.89978388
Whose complement E C B deg.	37.4454	

The same work is to be repeated in the other triangle A E B, that the angles remaining may be known.

This problem also may yet more readily be resolved, and that at one operation, by the following precept, the ground whereof is drawn from the learned Mr. *Brigges* his *Arithmetica Logarithmica*, chap. 18.

From half the summe of the sides, subduct each particular side, and let the summe of the Logarithms

of the half ſumme and difference of the ſide ſubtending the inquired angle, be ſubducted from the ſumme of the Logarithms of the other differences, and the doubled Radius, half the remainer ſhall be the Logarithm of the tangent of half the angle inquired.

Let the angle ſubtended by the greater ſide be inquired, *viz.* A B C.

Arithmetical Illuſtration of the precept.

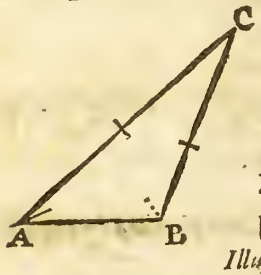
The ſide	A C	1276.7067
	A B	865.1765
	B C	631.5525
Summe of the ſides		2773.4357
The half ſumme	1386.71785	3.14198811
The difference of A C	110.01115	2.04143670
The ſumme L		5.18342481
The difference of A B	521.54135	2.71728875
The difference of B C	755.16535	2.87804205
Twice Radius		20.00000000
The ſumme M		25.59533080
The ſumme L		5.18342481
The difference		20.41190599
The half difference		10.20595299

Is the Logarithm tangent of deg. 58.1032
The double whereof is deg. 116.2064 the angle A B C inquired.

PROBL. 4.

The angles and a ſide given, to find either of the other ſides.

In the Obliquangular triangle A B C, either ſide is inquired, ſuppoſe B C from



The given { Angles { B A C deg. 37.4454; A C B deg. 26.3482; A B C deg. 116.2064 } The ſide A C 1276.7067.

The terms of proportion.

As the ſine of the angle oppoſite to the given ſide, } *So the ſide given,*
To the ſine of the angle oppoſite to the ſide inqui. } *To the ſide inqu.*

by the 3 Prop. of the 2 Chap.

Illuſtration Arithmetical, for B C.

As the ſine of the angle A B C	deg. 63.7936	9.95289364
To the ſine of the angle B A C	deg. 37.4454	9.78390723
So the ſide A C	1276.7067	3.10609114
		12.88999837
To the ſide B C	865.1765	2.93710473

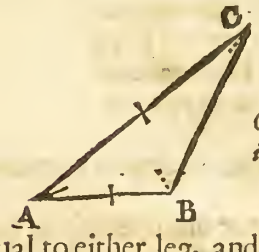
For A B.

As the ſine of A B C	deg. 63.7936	9.95289364
To the ſine of A C B	deg. 26.3482	9.64721195
So the ſide A C	1276.7067	3.10609114
		12.75330309
To the ſide A B	631.5525	2.80040945

PROBL. 5.

Two ſides with the angle comprehended by them given, to find the third ſide.

In the Obliquangular triangle A B C, the ſide A C is inquired from



The given { Sides { C B 865.1765; A B 631.5525 } Angle A B C deg. 116.2064

Firſt, let the other angles be found, *by the third Problem of this Chapter*: And the angles being found, find the other ſide, *by the immediate preceding Problem*, this needs no Example.

Otherwiſe.

If the angle given, be made the center of a circle; whoſe Radius is equal to either leg, and from the other term of the Radius be drawn a perpendicular to the other leg (continued if need be;) The oblong made of the other leg, and the doubled ſegment between the perpendicular, and the periphery ſubtended by the given angle with the ſquare of the difference of the given ſides, ſhall be equal to the ſquare of the ſide inquired.

The END of the Firſt Part.

TRIGONOMETRIA BRITANNICA

The Second Part of the Second Book.

Of Spherical Triangles.

CHAP. I.

HAving done with Plain triangles, we come next to the dimension of the Spherical.

1 A Spherical triangle, is that which is described on the surface of the Sphere.

2 The sides of a Spherical triangle are arches of three of the greatest circles of the Sphere, mutually intersecting each other.

3 The measures of Spherical angles, are arches of the greatest circles described from the angular points at their poles, and subtending their angles.

4 Those are the greatest circles which bisect the sphere.

5 Those circles which cut each other at right angles, one of them passeth through the poles of the other; *and the contrary.*

6 The distance of the poles of two great circles, is equal to the angle comprehended by them. *And the contrary.* Therefore,

7 The three angles of any spherical triangle being given, there are also three sides of another triangle given, whose angles are equal to the sides of the former triangle, *and the contrary.*

Only note, that the complements of the greatest side, or greatest angle to a semicircle must be taken in such conversion.

8 The summe of the sides of a spherical triangle are lesse then two semicircles, *Regiomon* 39.3.

9 The summe of the three angles of a spherical triangle are greater then two right angles, and lesse then six, *Regiomon* 49.3.

10 Two angles of any spherical triangle are greater then the difference between the third angle and a semicircle. Therefore,

11 Any side being continued, the exteriour angle is lesse then the two interiour opposite ones.

12 In any spherical triangle, the difference of the summe of two angles and a whole circle is greater then the difference of the third angle, and a semicircle.

13 A spherical triangle is either rectangular or obliquangular.

14 That is a rectangular, which hath one right angle at the least.

15 The legs of a rectangular spherical triangle, are of the same affection with their opposite angles. *Regiom.* 3.4.

16 In a rectangular ſpherical triangle, if either leg be a quadrant, the Hypotenuſa ſhall be alſo a quadrant; But if both ſhall be of the ſame affection, the Hypotenuſa ſhall be leſſe then a quadrant; if of different, then greater, *and the contrary. Regiom.* 4.5.4.

17 In a rectangular ſpherical triangle, if either of the angles at the Hypotenuſa be a right angle, the Hypotenuſa ſhall be a quadrant: But if both ſhall be of the ſame affection it ſhall be leſſe; If of different, then greater, *and the contrary. Reg.* 6.7.4.

18 In a rectangular ſpherical triangle, either of the oblique angles is greater then the complement of the other, but leſſe then the difference of the ſame complement to a ſemi-circle.

19 An obliquangular ſpherical triangle is either acute-angular, or obtuſe-angular.

20 An acute-angular hath all its angles acute.

21 An obtuſe-angular hath all either obtuſe, or mixt, *viz.* acute and obtuſe.

22 In an acute-angular triangle, each ſide is leſſe then a quadrant. *Reg.* 9.4.

23 In an obliquangular triangle, if two acute angles be equal, the ſides oppoſite to them ſhall be leſſe then quadrants; if obtuſe, greater. *Reg.* 10.11.4.

24 In an obliquangular triangle, if two acute angles be un-equal, the ſide oppoſite to the leſſe of them ſhall be leſſe then a quadrant. But if obtuſe, the ſide oppoſite to the greater, ſhall be greater. *Reg.* 12.13,4.

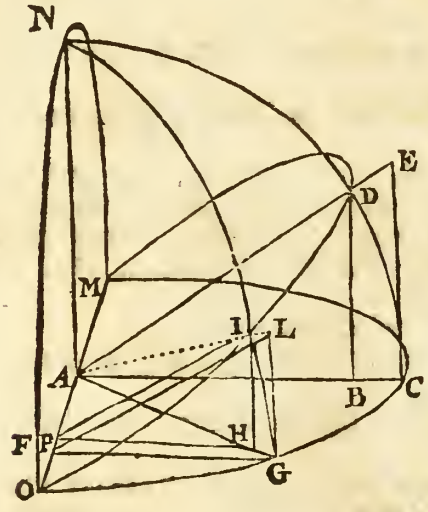
25 In every obliquangular triangle, if the angles at the baſe be of the ſame affection, the perpendicular drawn from the vertical angle ſhall fall within; If of different, without. *Reg.* 8.4.

CHAP. II.

AXIOM. 1.

In rectangular ſpherical triangles having the ſame acute angle at the baſe;

The ſines of the Hypotenuſaes are proportional to the ſines of their perpendiculars, and the contrary.



Let M C O N be ¼ of the ſphere; M C O the ¼ of the Equinoctial plane, whoſe pole is N, O I D M the ¼ of the Ecliptick plane. M N O halfe the plane of the Equinoctial Colure. N I G a Quadrant of a meridian circle which with the Colures cutteth the Equator at right angles, but the Ecliptick at oblique. In this Quadrant of the ſphere, there are found two right angled ſpherical triangles, D O C and I O G, the Hypotenuſaes whereof are D O and I O. The perpendiculars D C and I G. But the Baſes O C and O G. The acute angle at the Baſes D O C, I O G. The ſines of the Hypotenuſaes O D and O I, let be the right lines A D the whole ſine, and P I. The ſines of the perpendiculars D C and I G let be the right lines D B and I H, I ſay that the ſines of the Hypotenuſaes A D, P I, are proportiortional to the ſines of the perpendiculars D B, I H, and the contrary.

For the triangles B A D, H P I, are like, becauſe the right lines D B, I H are perpendiculars to the ſame plane; and the parallel lines D A, I P, are in the ſame plane of the Ecliptique, and have the ſame inclination. Alſo the angles D B A, D A B, are equal to the angles I H P, I P H, therefore the other angles A D P, P I H are equal. Now becauſe theſe triangles are equi-angled, their homologal ſides are likewiſe proportional. I ſay therefore,

Proportio
- *Sines of the Hypotenuſaes* A D. P I.
- *Sines of the Perpendiculars* D B. I H.
- *Sines of the Hypotenuſaes* P I. A D.
- *Sines of the Perpendiculars* I H. D B.

And the contrary.

Proportio
- *Sines of the Perpendiculars* D B. I H.
- *Sines of the Hypotenuſaes* D A. I P.
- *Sines of the Perpendiculars* I H. D B.
- *Sines of the Hypotenuſaes* I P. D A.

which was to be demonſtrated.

AXIO.

AXIOM. II.

In rectangular ſpherical triangles having the ſame acute angle at the Baſe.

The ſines of the Baſes are proportional to the tangents of their perpendiculars, and the contrary.

In the precedent ſcheme, and the ſame triangles D O C, I O G, the ſines of the Baſes O C, and O G, are A C, and F G; And the tangents of the perpendiculars D C, I G are C E, and G L. I ſay that the ſines of the Baſes A C, F G, are proportional to the tangents of the perpendiculars C E, G L; and the contrary. The tangents of the perpendiculars C E, G L, are alſo proportional to the ſines of the Baſes A C, F G.

Proport.	*Sines*	A C. F G	And the contrary	*Tangents of the Perpend.*	C E. G L
	Tangents of the Perpend.	C E. G L		*Sines*	C A. G F
	Sines	F G. A C		*Tangents of the Perpend.*	G L. C E
	Tangents of the Perpend.	G L. C E		*Sines*	G F. C A

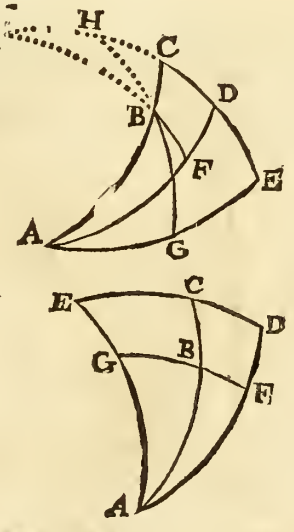
The demonſtration of this Axiom depends upon the ſame grounds with the former, which being obvious to every man needs no further proof.

CONSECTARY I.

If three arks of great circles concurre in the ſame point, and from any point of the one perpendiculars be let fall on the reſt;

The ſines of the angles ſubtended by theſe perpendiculars are proportional to the ſines of their perpendiculars, and the contrary.

Let there be three arks of great Circles A C, A D, A E, concurring in the point A; and from the point B, and poles I, and H, draw B F, B G, perpendicular to the arks A D, A E. And let C D, C E be the meaſures of the angles C A D, C A E. I ſay the ſines of C D, C E are directly proportional to the ſines of the perpendiculars B F, B G. And the contrary; For,



Proport.	*Whole ſine*	A C. A C
	Sine of the Hipotenuſa	A B. A B
	Sine	C D. C E
	Sine of the Perpendicular	B F. B G

Therefore,

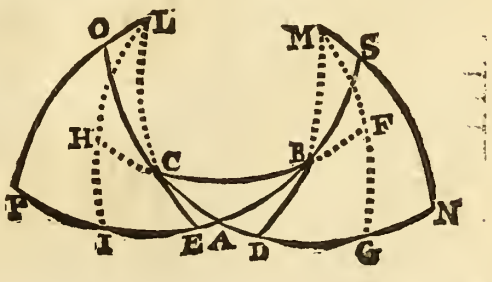
Proportio	C D	And the contrary,	Proportio	B F
	B F			C D
	C E			B G
	B G			C E

CONSECTARY II.

If two perpendiculars ſubtend equal angles.

The ſines of the perpendiculars are proportional to the ſines of the Hypotenuſaes, and the contrary.

Let the angles C A E, B A D, be equal, becauſe vertical, which let be ſubtended by the perpendiculars C E, B D drawn from their poles L and M. I ſay that the ſines of the perpendiculars C E, B D are proportional to the ſines of the Hypotenuſaes C A, B A, and contrary: For the ſine of the angle S A N, that is of the ark S N, is equal to the ſine of the angle O A P, that is of the ark O P.

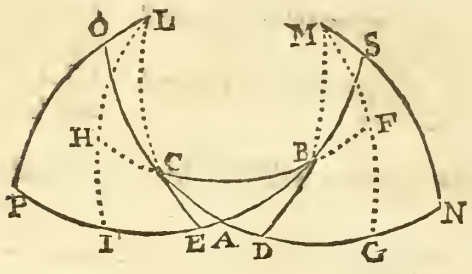


Therefore,

Propor. *Sine*	SN.OP	Therefore,	Propor. *Sine of the Perpendicular*	BD
Whole sine	SA.OA		*Sine of the Hypotenuſa*	BA
Sine of the Perpendicular	BD.CE		*Sine of the Perpendicular*	CE
Sine of the Hypotenuſa	BA.CA		*Sine of the Hypotenuſa*	CA

CONSECTARY III.

The ſines of angles are proportional to the ſines of their oppoſite ſides; and contrary.



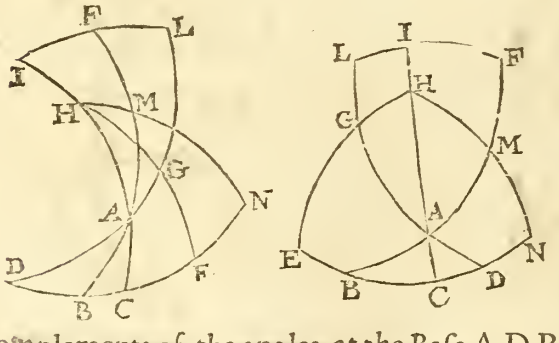
In the Obliquangular triangle C A B, I ſay that the ſines of the angles C B A, B C A, are proportional to the ſines of the ſides C A, B A: For the ſines of the angles H I, and F G, are proportional to the ſines of the perpendiculars C E, B D, by the 1 conſectary. Alſo the ſines of the Hypotenuſaes C A, B A are proportional to the ſame ſines of the perpendiculars C E, B D, by the 2 conſectary. I ſay therefore,

Propoſitio *Sine of*	H I	And the contrary.	Proportio *Sine of the Hypotenuſa*	CA
Sine of the Hypotenuſa	CA		*Sine of*	HI
Sine of	FG		*Sine of the Hypotenuſa*	BA
Sine of the Hypotenuſa	BA		*Sine of*	FG

CONSECTARY IV.

In Obliquangular triangles; if a perpendicular be drawn from the vertical angle to the oppoſite ſide, (continued if need be;)

The ſines complements of the angles at the Baſe are directly proportional to the ſines of the vertical angles; and contrary.



In the obliquangular triangle A B D, from the top thereof A, let fall the perpendicular A C; and continuing the ſides B A, D A, together with the perpendicular A C unto Quadrants, *viz.* A L, A F, A I; from the top thereof A, deſcribe the periphery I F L, the meaſure of the vertical angles I A F, I A L, which are equal to the angles B A C, D A C. And from the angular points B and D, let the Quadrantal arcks be drawn H C E, H M N. I ſay that the ſines of the arcks H G, H M, (the complements of the angles at the Baſe A D B, A B C) are directly proportional to the ſines of the vertical angles L I, F I: for by the 1 conſectary.

Propoſitio *Sine of*	AH.AH	Therefore,	Proportio *Sine of*	HG }
Whole ſine of	A I.A I		*Sine of*	HM }
Sine of	HG.HM		*Sine of*	I L } and contrary.
Sine of	I L.I F		*Sine of*	I F }

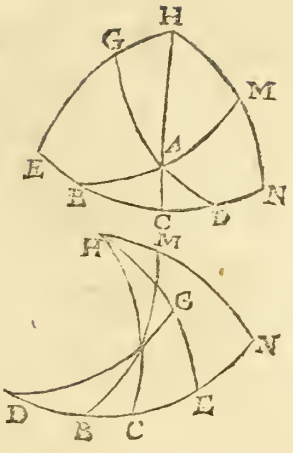
CONSECTARY V.

In obliquangular triangles; if a perpendicular be drawn from the vertical angle to the oppoſite ſide, (continued if need be;)

The ſines complements of the ſegments of the Baſe are directly proportional to the ſines complements of the ſides of the vertical angles, and contrary.

In

In the obliquangular triangle A B D, from the top thereof A, let fall the perpendicular A C upon the Base D B, which together with the sides, let be continued unto quadrants. I say that the sines complements of the segments of the Base C N, C E, are proportional to the sines complements of the sides A M, A G. For by the 1 Consectary,



Propor.	*Whole sine*	HC.HC
	Sine of	HA.HA
	Sine of	CN.CE
	Sine of	AM.AG

Therefore,

Proportio	*Sine of*	CN.	And contrary,	Proportio	*Sine of*	AM.
	Sine of	AM.			*Sine of*	CN.
	Sine of	CF.			*Sine of*	AG.
	Sine of	AG.			*Sine of*	CE.

CONSECTARY VI.

In obliquangular triangles; If a perpendicular be drawn from the vertical angle unto the oppofite fide, (continued if need require.)

The fines of the fegments of the Base are reciprocally proportional to the tangents of the angles conterminate at the Base; and contrary.

In the obliquangular triangle of the precedent fcheme, A B D, from the top of the triangle A, let fall the perpendicular A C upon the base D B, which let be continued with the fides unto Quadrants. And from the angular points at D and B, defcribe the quadrantal arks H E, N, I fay that the fegments of the base C D, B C, are reciprocally proportional to the tangents of the angles conterminate at the Base: For by the fecond Axiom,

Proportio	*Sines*	DC.BC
	Tangents of	CA.CA
	Sines of	DE.BN
	Tangents of	EG.NM

Therefore excluding the immediate terms.

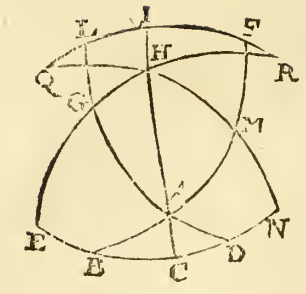
Proportio	*Sine of*	DC	And alternately	Proportio	*Sine of*	BC	And the contrary.
	Sine of	BC			*Sine of*	DC	
	Tangent of	NM			*Tangent of*	EG	
	Tangent of	EG			*Tangent of*	NM	

CONSECTARY VII.

In obliquangular triangles; If a perpendicular be drawn from the vertical angle unto the oppofite fide, (continued if need require;)

The fines complements of the vertical angles are reciprocally proportional to the tangents of the fides; and contrary.

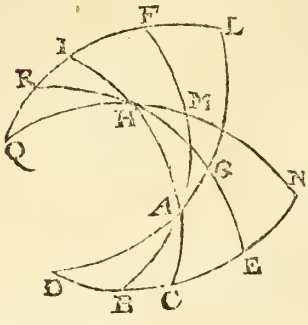
In the obliquangular triangle A B D, from the concourfe of the fides in A, defcribe the periphery Q R, a part whereof L F is the meafure of the vertical angle B A D. And from the angular points B and D, draw the peripheries N M Q, E G R (the meafures of the angles at the Base,) till they interfect the periphery Q R. And continuing the fides A B, A D, together with the perpendiculars A C, unto L, F, and I, the arks L G, F M, being tangents, fhall be equal to the fides A D, A B. Alfo the arks I R, I Q, fhall be the fines complement of the vertical angles C A D, C A B, whofe meafures are L I, and I F. I fay



therefore that the ſines complement of the vertical angles I R, I Q, are reciprocally proportional to the tangents of the ſides F M, L G, for by the 2 Axiom.

Proportio { *Sines of* Q I. R I
Tangents of I H. I H
Whole ſine Q F. R L.
Tangents of F M. L G

Therefore excluding the intermediate terms.

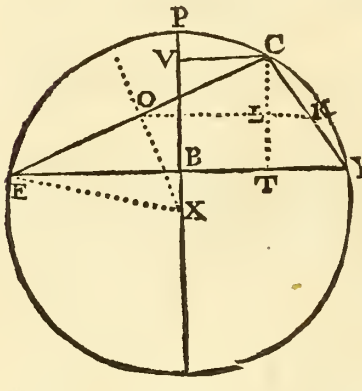


Proportio { *Sines of* Q I
Sines of R I
Tangents of L G
Tangents of F M
} And inverſedly.

Proportio { *Sines of* R I
Sines of Q I
Tangents of F M
Tangents of L G
} And the contrary.

LEMMA.

The verſed ſines of two arks given; The right ſines of the half ſumme and the half difference of thoſe arks are mean proportionals between the whole ſine, and the half difference of the verſed ſines.



Let the given arch be P E, P C, and their verſed ſines P B, P V, their difference is B V, the ſumme of the given arks E P C, and their difference C Y. Alſo let the ſine of the half ſumme be E O or O C, and the ſines of half the difference C K, I ſay that E O, C K, are mean proportionals between X E, C L. For the angles E X O, O Y T, C K L, are equal, by the 20 prop. 3 *Euclid.* And the angles at O and L right. Therefore the triangles X E O, K C L, are like, and X E, E O, K C. C L, proportional, which was to be demonſtrated.

CONSECTARY.

If the triangle E C Y be inſcribed in a circle, and from any angle as E C Y the perpendicular do fall on the oppoſite ſide EY, the halfes of the legs of the ſaid angle OC, CK, are mean proportionals between half the perpendicular C L, and the ſemidiameter X E, therefore the oblongs of O C, C K, X E, C L, are equal.

PROPOSITION. I.

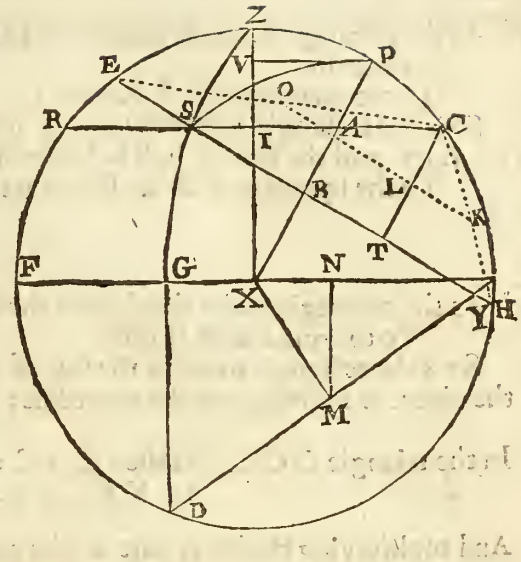
In all ſpherical triangles, whoſe ſides are known,

Proportion. { *As the Rectangular figure of the ſides comprehending the vertical angle,*
To the Quadrat of the Radius;
So the Rectangular figure of the ſines of the half ſumme and the half difference of the baſe, and difference of the legs,
To the Quadrat of the ſine of half the vertical angle.

Let the ſides of the triangle Z P S be known, and the vertical angle be S Z P, then ſhall Z S the one ſide be equal to Z C, and P C will be the difference of the ſides. In like manner ſhall the baſe of the vertical angle P S be equal to P Y, or P E; And C E the ſumme of the baſe, and of the difference of the ſides; And C Y the difference of them. All theſe things are known. Moreover draw P V the ſine of the ſide P Z, and C I the ſine of the other ſide Z S, which let be continued to S. In like manner let C T be drawn perpendicular to the right line E Y: and O K biſecting the right lines E C, S C, C T, C Y. Laſtly, let the ark H D be the meaſure of the vertical angle P Z S, and the right line M N perpendicular to the right line H G biſect the lines H D, H G, I ſay then,

As

Proportion. *As the Rectan. figure of the sines of the sides* PV, CI. *To the Quadrat of the Radius* P X; *So the Rectang. figure of the sines of the half sum, & diff. of the base, and of the diff. of the sides* OC, CK. *To the quad. of the sine of half the vertic. ang.* HM.



For the triangles X PV, X A I, S A B, S C T, are equiangular, and therefore are these proportional.

Proportio. CT, CS, PV, PX. Proport. C S, HG, C I, HX. Therefore, these Oblongs are proportional. Proportio. Oblo. CT. CS, Oblo. CS. HG, Oblo. PV. CI, Oblo. PX. HX.

Also these are proportional. Or, Proport. CT, HG, P V, C I, Oblo. P X, Quadrat. Proportio. C I, HN, P V, C I Oblo. P X, Quadrat.

For they are the half of the right lines of C T, H G. Likewise are proportional.

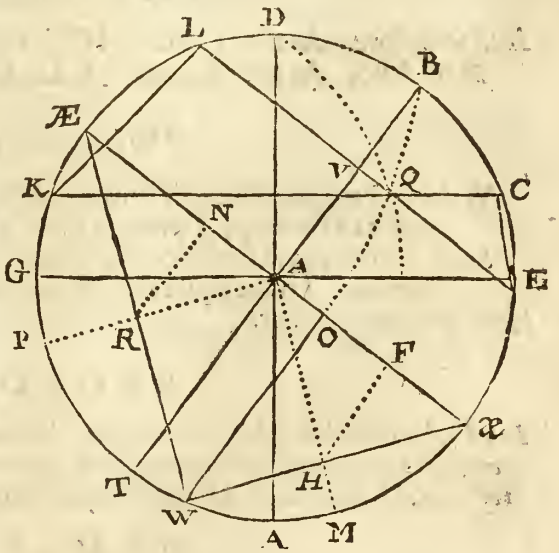
Proport. C L, HN, C L. H X Oblong, HN. H X Oblong. But by the foresaid Lemma, the Oblongs CL, H X; O C, C K, are equal.

Also are Oblong H N, H X, because they are as the altitudes C L, H N. equal the Quadrat H M, by the 2 consect. 4. 8. *Ram.* Therefore are

Proportio. Oblong P V, C I. Quadrat P X. Oblong O C, C K. Quadrat H M, which was to be demonstrated.

☞ *Or this Proposition may be thus demonstrated.*

The sides of the triangle D B Q, being known, let the angle B be inquired, the triangles L Q K, and C Q E, are like, because their correspondent sides are parallel, the angle Q is equal to G Æ, or the side D B, the angle K is equal to E, which is equal ½ L D C, the base and difference of the sides, K L is equal to the base, lesse by L D the difference of the sides, K B E is the summe of the base and sides, C E is the difference between the base D Q, and the summe of the sides D E, the angle K C E is equal to half the complement of K D E the summe of the three sides, and therefore the sine of K C E is also the sine of the half summe of the three sides K D, D B, and B E, and O Æ is the versed sine of the angle B, and Q L the versed sine of the like arch in a lesse circle; O æ is the versed sine of the complement of B, and Q E the versed sine of the like complement. And Æ R is equal to the sine of ½ B; and e H is equal to the cosine of half B, now then in the triangle Q L K;



As the sine Q. sine K :: ½ K L. ½ Q L.
As V L. A Æ :: ½ Q L. Æ N.

½ Q V L Oblong ½ K K L Oblong :: A Æ. Æ N

And multiplying the latter part of the proportion A Æ. Æ N, *by* A Æ, *it is,*

Oblong ½ Q V L Oblong ½ K K L Square of A Æ rad. Æ N. A Æ Oblong. But A Æ. Æ R :: Æ R. Æ N

And the rectangle made of A Æ radius, and Æ N halfe the verſed ſine of the angle B, is Æ R ſquare, or the ſquare of the ſine of halfe B. And therefore,

As the rectangle made of the ſine of D B and V L the ſine of B $\mathcal{Q}$, the ſides comprehending the angle B.
To the quadrat of A Æ Radius;
So is the rectangle under the ſine of halfe L C, the ſumme of the baſe and difference of the ſides, and the ſine of halfe K L the difference of the baſe and difference of the ſides.
To the ſquare of Æ R the ſine of halfe B.

Otherwiſe 2.

As the rectangle under the ſines of the ſides comprehending the vertical angle.
To the quadrat of Radius.
So is the rectangle made of the ſine of halfe the ſumme of the three ſides, and the ſine of halfe the differ. of the baſe, and the other ſide; To the ſquare of the coſine of halfe the vertical angle.

In the triangle Q C E, As the s Q. s C :: $s\frac{1}{2}$ C E. $\frac{1}{2}$ Q E
As V E. A æ :: $\frac{1}{2}$ Q E. æ F
$\left.\begin{matrix} s\,Q & s\,C \\ V\,E & s\frac{1}{2}CE \end{matrix}\right\}$ :: A æ. æ F.

And multiplying the latter part of the proportion by A æ it is
$\left.\begin{matrix} s\,Q & s\,C & æ\,F. \\ V\,E & s\frac{1}{2}CE & A\,æ\ \text{ſq.}\ A\,æ. \end{matrix}\right\}$ ::

But A æ. æ H :: æ H. æ F. And the rectangle of A æ, and æ F is equal to the ſquare of æ H.

And therefore,
As the rectangle of the s Q, and V E, Is to the ſquare of A æ radius.
So is the rectangle of the s C, and the ſine of $\frac{1}{2}$ C E, To the ſquare of æ H the coſine of halfe B.

Otherwiſe 3.

As the rectangle made of the ſine of halfe the ſumme of the 3 ſides, and ſine of the difference of the baſe and halfe ſumme of the ſides, To the quadrat of Radius.
So is the rectangle made of the ſine of the halfe ſumme of the baſe, and difference of the ſides, and the ſine of the difference of the baſe and difference of the ſides,
To the ſquare of the tangent of halfe the angle inquired.

For as æ H. Æ R :: A æ. $t\frac{1}{2}$ B, by the 26 propoſition of the 1 chap. of the firſt part.

Therefore, As the ſquare of æ H, ſquare Æ R :: ſquare A æ. ſquare $t\frac{1}{2}$ B.
And by the 2 Propoſ. it is, s Q into V E. s C into $s\frac{1}{2}$ C E :: ſquare A æ. ſquare æ H.
And by the 1 Propoſ. it is s Q into V L. s K into $s\frac{1}{2}$ K L :: ſquare A Æ. ſquare Æ R. Hence,
s C into $s\frac{1}{2}$ C E. s K into $s\frac{1}{2}$ K L :: ſquare æ H. ſquare Æ R.

And therefore, As the s C into $s\frac{1}{2}$ C E. s K into $s\frac{1}{2}$ K L :: ſquare A æ. ſquare $t\frac{1}{2}$ B.
And Alſo, As the s K into $s\frac{1}{2}$ K L. s C into $s\frac{1}{2}$ C E :: ſquare A æ. ſquare $ct\frac{1}{2}$ B.

This laſt variety is uſually expreſſed thus.

As the rectangle of the halfe ſumme of the three ſides, and the ſine of the difference of the baſe, and halfe ſumme, To the quadrat of Radius.
So is the rectangle made of the ſines of the difference of each containing ſide, and the halfe ſumme, To the ſquare of the tangent of halfe the angle inquired. Which is in effect the ſame with the former.

PROPOSITION. II.

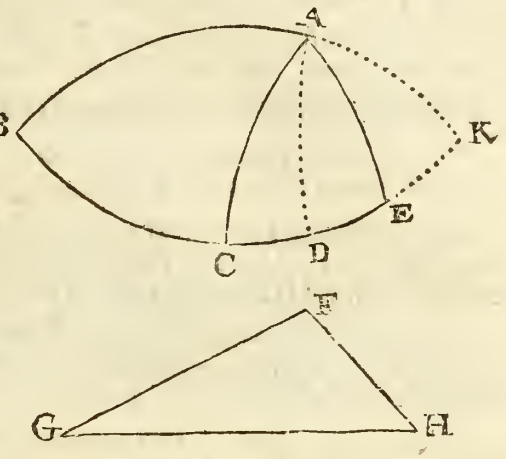
In all Obliquangled Spherical triangles, the ſumme of whoſe angles at the baſe, are leſſe then a ſemi-circle, As the ſine of the ſumme of the angles at the baſe, is to the ſine of their difference; So is the tangent of halfe the baſe, to the tangent of the halfe difference of the ſegments of the baſe.

DEMONSTRATION.

In the Obliquangled ſpherical triangle A B E, or A B C, in which the angles at the baſe are

are acute, and A C B obtuſe, let the ſide A C be equal to A E, and from the angle at A let fall the perpendicular A D, then are the triangles A C D, and A D E equilateral, and equi-angled, and C D equal to D E, and in the triangle A B E, the baſe is B E, and B D, and D E, the ſumme of the ſegments, and by the 6 conſect. chap. 2. *s* D E. *s* B D:: *t* B. *t* E.

Now then in the plain triangle F G H, let H F repreſent the tangent of the angle at B, and F G the tangent of the angle at E, and let the angle G F H be equal to the complement of B E to a ſemi-circle, then are the angles at G and H together, equal to the baſe B E, and *s* H. *s* G:: *t* G F. *t* F H, *by the* 3 *Prop. of Plain Triangles*, and therefore the arch B D is equal to the angle at H, and the arch D E to the angle at G, *and by the* 4 *Prop. of Plain Triangles. As the ſumme of the ſides* G F, *and* F H, *is to their difference*; *ſo is the tangent of the half ſumme of the angles at* G *and* H, *to the tangent of half their difference.* And therefore alſo, The ſine of the ſumme of B and E, is to the ſine of their difference. As the tangent of half B E, to the tangent of half B C, as was to be proved.



PROPOSITION III.

As the tangent of half the baſe, is to the tangent of half the ſumme of the ſides; So is the tangent of half the difference of the ſides, to the tangent of half the difference of the ſegments of the baſe.

DEMONSTRATION.

By the 4 *Prop. of Plain Triangles*, As the ſumme of the ſides, is to half the difference of the ſides; So is the tangent of half the ſumme of the angles oppoſite to thoſe ſides, to the tangent of half their difference, and in a plain triangle inſcribed in a circle, half the ſides are the ſines of half the arches ſubtended by thoſe ſides, and half the arches ſubtended by thoſe ſides, are the meaſures of the angles oppoſite to the ſaid ſides, and therefore in the oblique angled ſpherical triangle A B E.

As the ſumme of the ſines of the ſides A B, and A E, is to the diff. of the ſines of the ſame ſides; So is the tangent of half the ſumme of thoſe ſides, to the tangent of half their difference.

And by the 3 conſectary of the ſecond axiom hereof, it is as the *s* E. *s* B:: *s* A B. *s* A E.
And therefore as the ſum of the ſines of the ang. B and E, is to the diff. of the ſines of the ang.
So is the ſum of the ſines of the ſides A B, & A E to the diff. of the ſines of the ſides A B & A E.

Section 2.

And therefore alſo, As the tang. half ſum of the ſides A B and A E, Is to the tang. half their diff.
So is the ſumme of the ſines of the angles B *and* E, *to the differ. of the ſines of the angles.*

And as the ſine of the ſumme of the angles B *and* E, *is to the ſine of the difference of thoſe angles.*
So is the tang. of half the baſe B E, to the tang. of half B C; *by the* 2 *Propoſition.*

And becauſe the rectangle under the ſumme and difference of the ſines of the angles, is equal to the rectangle under the ſine of the ſum and the ſine of the dif. of thoſe angles. 23 *Pr. Ch.* 1. *l.* 1. therefore the other rectangles are alſo equal, now then if in the two laſt proportions you leave out the equal rectangles of the ſumme and difference of the ſines, and of the ſine of the ſumme and ſine of the difference, the proportion will be,

As the tangent of half the baſe B E; Is to the tang. half ſumme of the ſides A B and A E.
So is the tangent of half the differ. of the ſides A B and A E; to the tangent of half B C.

PROPOSITION IV.

In all Obliquangled ſpherical triangles, whoſe ſides together are leſſe then a ſemi-circle: As the ſine of the half ſumme of the angles at the baſe, is to the ſine of their half difference: So is the tangent of half the baſe; to the tangent of halfe the difference of the ſides.

And as the coſine of the half ſumme of the angles at the baſe, is to the coſine of their half difference;
So is the tangent of half the baſe; to the tangent of the half ſumme of the ſides.

DEMONSTRATION.

Sect. 1. In the Obliquangled Spherical triangle A B E, it is already proved, that

The ſine of the ſumme of the angles B *and* E, *Is to the ſine of the difference of thoſe angles.*
As the tangent of half the baſe B E, *Is to the tangent of half* B C, by the 2 Propoſ.

And multiplying the latter part of this proportion, by the tangent of half the baſe B E, it is,

As the ſine of the ſumme of the angles B *and* E, *Is to the ſine of the difference of the angles* B *and* E.
So is the ſquare of the tang. of ½ BE; *to the rectangle made of the tangent* ½ B E, *and the tang. of* ½ BC.

But by the third Propoſition, the rectangle made of the tangent half B E, and the tangent of half B C, is equal to the rectangle made of the tangent of the half ſumme, and half difference of the ſides B A, and A E; Therefore,

As the ſine of the ſumme of the angles B *and* E, *is to the ſine of the difference of the angles* B *and* E.
So is the ſquare of the tangent of half B E; *to the rectangle made of the tangent of the half ſumme, and half difference of the ſides* B A, *and* A E.

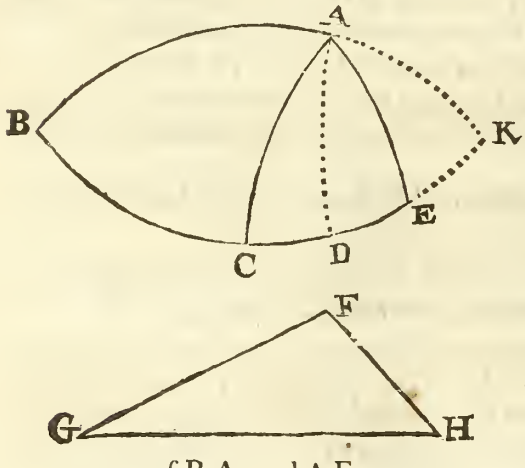
And the former part of this proportion being multiplied, by the ſine of the ſumme of the angles at the baſe B and E; it is,

As the ſquare of the ſine of the ſumme of the angles B *and* E, *is to the rectangle made of the ſines of the ſumme and difference of thoſe angles: So is the ſquare of the tangent of half* B E; *to the rectangle made of the tangents of the half ſumme, and half difference of the ſides* B A *and* A E;

But the rectangle made of the ſines of the ſumme and difference of the angles is equal to the rectangle made of the ſumme and difference of the ſines; 23 *Prop. Chap.* 1. *l.* 1. And therefore,

As the ſquare of the ſine of the ſum of the angles B and E; is to the rectangle made of the ſumme and difference of the ſines: So is the ſquare of the tangent of half B E; to the rectangle made of the tangent of the half ſumme, and half difference of the ſides B A, and A E.

Section 2.



As the difference of the ſines of B *and* E,
Is to the ſumme of the ſines of the angles B *and* E;
So is the tangent of the half difference of the ſides,
To the tangent of the half ſumme of the ſides B A, *and* A E.
by Sect. 2. Prop. 3.

And multiplying the former part of this proportion, by the difference of the ſines of the angles, and the latter part thereof, by the tangent of half the difference of the ſides A B, and A E, it will be,

As the ſquare of the difference of the ſines of B and E,
Is to the rectangle made of the ſumme and difference of the ſines of B *and* E:
So is the ſquare of the tangent of the half difference of B A, and A E,
To the rectangle made of the tangents of the half ſumme, and half difference of the ſides.

But by the firſt Section,

As the ſquare of the ſine of the ſumme of B and E;
Is to the rectangle made of the ſumme and difference of the ſines;
So is the ſquare of the tangent half B E;
To the rectangle made of the tangent half ſumme, and half difference of the ſides.

Therefore,

As the ſquare of the ſine of the ſumme of B and E,
Is to the ſquare of the difference of the ſines of B and E;
So is the ſquare of the tangent half B E,
To the ſquare of the tangent of half the difference of the ſides.

And

And alſo, *As the ſine of the ſumme of the angles* B *and* E; *Is to the difference of their ſines;*
So is the tangent of halfe the baſe B E, *To the tangent of half the difference of the ſides* B A, *and* A E.

But, As the ſine of the half ſumme of B and E; Is to the ſine of their half difference;
So is the ſine of the ſumme, to the difference of the ſines. *Prop.* 20. *Chap.* 1. *lib.* 1. And therefore

As the ſine of the half ſumme of the angles B and E;
Is to the ſine of the halt difference of B and E:
So is the tangent of half B E,
To the tangent of half the difference of the ſides B A, and A E; which is the firſt part of the Propoſition.

Section 3.

Having in the laſt Section already proved, by the 3 Conſect. of the 2 Axiom hereof;

That the ſumme of the ſines of the angles B and E, Is to the differ. of the ſines of thoſe angles;
As the tangent of the half ſumme of the ſides, Is to the tangent of their half difference.

Therefore, if you multiply the former part of this proportion, by the ſumme of the ſines of the angles of B and E, and the latter part thereof, by the tangent of the half ſumme of the ſides A B and A E, then it will be.

As the ſquare of the ſumme of the ſines of B and E,
Is to the rectangle made of the ſumme and difference of the ſines.
So is the ſquare of the tangent half ſumme of the ſides,
To the rectangle made of the tangent half ſumme and half difference of the ſides.

But, As the ſquare of the ſine of the ſumme of B and E,
Is to the rectangle made of the ſumme and difference of the ſines.
So is the ſquare of the tangent half B E,
To the rectangle made of the tangent half ſumme, and ½ difference of the ſides B A, *and* A E. Sect. 2.

Therefore, As the ſquare of the ſine of the ſumme of B and E,
Is to the ſquare of the ſumme of the ſines of thoſe angles.
So is the ſquare of the tangent half B E,
To the ſquare of the tangent of the half ſumme of the ſides B A and A *E*.

And, *As the ſine of the ſumme of the angles* B *and* E,
Is to the ſumme of the ſines of the angles B *and* E.
So is the tangent of half the baſe B E,
To the tangent of the half ſumme of the ſides A B, and A E.

But, As the coſine of the ſumme of B and E,
Is to the coſine of the difference of the angles B and E.
So is the ſine of the ſumme of the angles B *and* E,
To the ſumme of the ſines of the ſaid angle.. Prop. 2. chap. 1. lib. 1.

And therefore, As the coſine of the ſumme of the angles B and E,
Is to the coſine of the difference of B and E.
So is the tangent of half the baſe B E,
To the tangent of the half ſumme of the ſides of A B and A E, which was to be demonſtrated.

CHAP. III.

Of the Dimenſion of Rectangular Spherical Triangles.

THeſe admonitions being underſtood, it is no hard matter to paſſe through the greateſt difficulties of Spherical triangles. Firſt, therefore, we come to the Solution of Rectangulars.

And ſeeing that in every triangle, there are three ſides, and as many angles, if in a Spheri-

cal triangle any one of these six parts be 90 deg. two of the other parts, which are next adjacent unto the part of 90 deg. together with the complements of the other three, are by the famous *Baron of Merchiston*, called the five circular parts, two of which being given, either of the other three may be easily found. For,

1 *Radius and the sine of any part taken, are mean proportionals, between the tangents of both the parts neerest or adjacent to the part taken.*

Also if the part taken be seperated from the other two.

2 *Radius and the sine of the part taken, are mean proportionals, between the sines of the complements of the opposite parts.*

And if there be four parts taken.

3 *The sines of the complements of the middle parts, are mean proportionals between the tangents of the extreams.*

Although this third Proposition be true, yet hath it no convenient use, seeing that two parts given are sufficient for the speedy finding of any third.

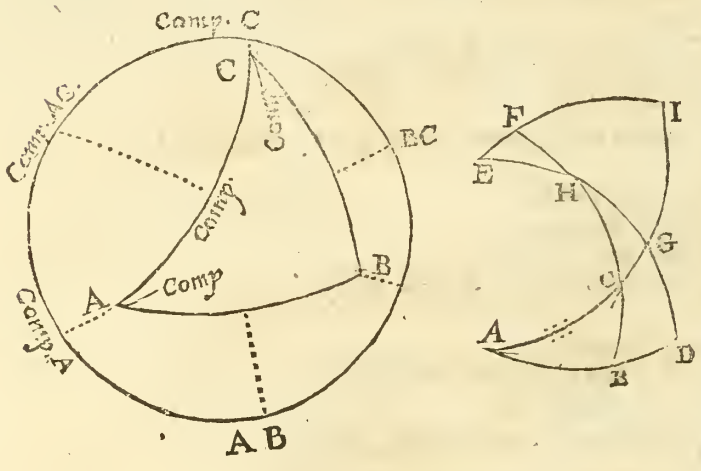
☞ For if the two terms given, and th third required be adjacent, then,

As the Radius, To the tangent of one extream;
So is the tangent of the other extream, To the sine of the middle of the three terms propounded.

But if either of the terms given, or that which is required, be not adjacent to the other two.

Then,

As the Radius, To the cosine of either of the two terms adjacent,
So is the cosine of the other term adjacent, To the sine of the term remote.



That all these may more clearly appear, The circular parts of the rectangular triangle A B C, are placed within the circle, and every of the sides are lesse then quadrants, and the two angles acute: And (*supposing a line to be drawn from* A *to* H) the parts of the obliquang. triangle A C H, are placed without the circle, and the two sides are lesse then quadrants, and the angles opposite to these sides are acute, the third angle opposite to the quadrant is obtuse.

☞ *Here note, that when a complement in the Propositions doth chance to concurre with a complement, in the circular parts, you must take the sine it selfe, or the tangent it selfe; because the cosine of the cosine is the sine, and the cotangent of the cotangent is the tangent.*

As in the preceding triangle A B C, let the terms given be A C, and C B, and let the angle A C B be inquired, I say then, by the second Axiom of the second hereof,

As the tangent of I G, *equal to* A C,
Is to Radius I E;
So is the tangent of F H, *equal to* C B,
To the sine of F E *the comp. of* F I, *equal to* A C B

Therefore

As the tangent of A C,
Is to Radius A B C;
So is the tangent of C B,
To the cosine of A C B.

And therefore { *As the Radius* A B C, / *To the cotangent of* A C; } { *So is the tangent of* C B, / *To the cosine of* A C B. } Prop. 20. chap. 3. lib. 1.

Or let the terms given be A B and B C, to find A C, I say then,

As the Radius H B, *equal to Radius* A B C,
To the sine of B D, *the complement of* A B.

So sine of C H, *the complement of* C B,
To sine of C G, *the complement of* A C.

There-

Therefore, *As Radius, To cosine* A B: *So cosine* C B, *To cosine* A C.

And that the truth of these Propositions may the better appear, I have set down the Logarithmes of these parts, to shew their equality by the proportions of sines and tangents.

		Logarithm Sines.	*Logarithm Tang.*
A B, or angle A H B	47.	9.86412746	10.03034413
B D complement	43.	9.83378333	9.96965587
B C, or compl. of C H	22.8918	9.58994021	9.62556684
C H, complement	67.1082	9.96437340	10.37443316
Compl. ang. A C B	70.0622	9.97315723	10.44040390
Complement	19.9378	9.53275333	9.55959610
Compl. side A C	38.9237	9.79815673	9.90718650
The side A C	51.0763	9.89097021	10.09281350
Compl. ang. B A C	60.	9.93753063	10.23856063
Complement	30.	9.69897000	9.76143937

And that we may see an example of both Propositions, let the parts given be A B, and B C, and let the next part be inquired, *viz.* complement of A C B.

As the tangent of A B, *deg.* 47	10.03034413
To Radius:	10.00000000
So sine B C *deg.* 22.8918	9.58994021
To tang. comp. A C B 19.9378	9.55959608

But if the side A C be inquired, *by the second Proposition.*

As the whole sine	10.00000000
To sine compl. B C deg. 67.1082	9.96437340
So sine comp. A B. deg. 43.	9.83378333
To sine compl. A C deg. 38.9237	9.79815673

If the angle B A C be inquired.

As the tangent of B C deg. 22.8918	9.62556684
To Radius,	10.00000000
So the sine of A B *deg.* 47	9.86412746
To the tangent complement B A C 60	10.23856062

Therefore in a rectangular triangle, two of the five circular parts being given, the other three may be also found.

And if there be two of the circular parts given in the quadrantal triangle A C H, the other three may be found almost in the same manner.

Let there be given the angles { A H C deg. 47 / H A B deg. 60 } to find A C H.

As the whole sine		10.00000000
To the sine compl. A H C	43.	9.83378333
So sine compl. H A C	30.	9.69897000
To sine compl. A C H	19.9378	9.53275333

Which is the excesse of the obtuse angle above a right, or complement of the angle A C B.

If A C be inquired. The given parts H A C, H C A. The part inquired, complement A C. These three are circular Parts contiguous, or adjacent, the middle is H A C.

As the tangent of A H C deg. 47	10.03034413
To Radius	10.00000000
So sine of H A C deg. 60	9.93753063
To tang. comp. A C deg. 38.9237	9.90718650

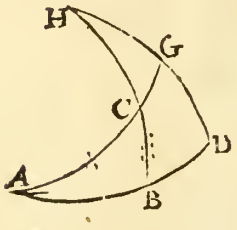
If H C be inquired, the manner of finding it is the same with that set down for the finding of the side A C. The angles H A C, and A H C, and the side H C are the circular parts neerest together. Therefore,

As the tangent of H A C deg. 60	10.23856063
To the Radius	10.00000000
So the sine of C HA deg. 47	9.86412746
To tang. compl. H C deg 22.8918	9.62556683
Therefore H C is deg. 67.1082.	

In these triangles therefore, we may use either this general rule, though more obscure, or those which serve to every particular case of the parts given, and inquired, and are singly ratified by their Demonstrations, but this general rule may more easily be demonstrated, by the particulars, as the several cases shall require, and with the same certaintie in them both. Let therefore,

PROBL. 1.

The Hypotenusa, and an Oblique angle given, to find the leg opposite to the given angle.



In the rectangular triangle A B C, the leg B C is inquired from

The given { Hypotenusa A C 51.0763
Angle B A C 30

The terms of proportion. *Ax.1. Chap.2.*

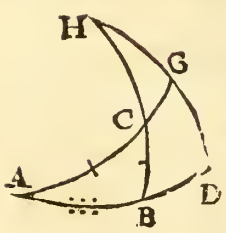
As the whole sine,
To the sine of the angle given: } { *So the sine of the Hypotenusa,*
To the sine of the leg inquired.

Illustration by Numbers.

As the whole sine A G	90	10.00000000
To the sine of the angle G D	30	9.69897000
So sine Hypotenusa A C	51.0763	9.89097021
To the sine of the leg B C	22.8918	9.58994021

PROBL. 2.

The Hypotenusa, and a leg given, to find the other leg.



In the rectangular triangle A B C, the leg A B is inquired from

The given { Hypotenusa A C 51.0763
Leg B C 22.8918

The terms of proportion. *Ax.1. Ch.2.*

As the sine of the complement of the given leg,
To the whole sine: } { *So sine compl. of Hypotenusa,*
To sine comp. of the leg inquired.

Illustration by Numbers.

As the sine H C 67.1082	9.96437340
To the whole sine H B 90	10.00000000
So the sine C G 38.9237	9.79815675
To the sine B D 43	9.83378335
Complement A B 47, the leg inquired.	

PROBL.

PROBL. 3.

The Oblique angles given, to find either leg.

In the rectangular triangle A B C, the leg B C is inquired

The given angles { A C B 70.0622 ; B A C 30

The terms of proportion.

Proportio. { *As the sine of the angle conterminate with the leg inquired,* / *To the sine complement of the angle oppoſite to the leg inquired:* / *So the whole ſine,* / *To the ſine complement of the leg inquired.* Axiom 1. Chap. 2.

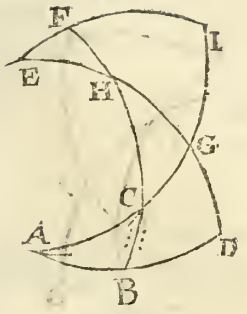


Illuſtration Arithmetical.

As the ſine	F I 70.0622	9.97315723
To the ſine	H G 60	9.93753063
So the whole ſine	F C 90	10.00000000
To the ſine	H C 67.1082	9.96437340

Complement C B 22.8917. The leg inquired.

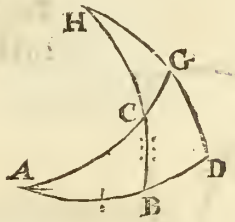
PROBL. 4.

A leg, and an angle conterminate therewith, being given, to find the other leg.

In the rectangular triangle A B C, the leg B C is inquired

The given { Leg A B 47 ; Angle B A C 30

The terms of proportion.



As the Radius, / *To the tangent of the oblique angle given:* { *So the ſine of the leg given,* / *To the tangent of the leg inquired.* Axiom 2. Chap. 2.

Illuſtration Arithmetical.

As the Radius	A D 90	10.00000000
To the tangent	D G 30	9.76143937
So the ſine	A B 47	9.86412746
To the tangent	B C 22.8918	9.62556683

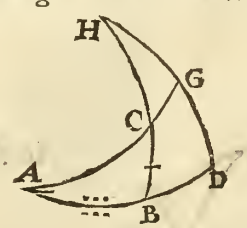
PROBL. 5.

A leg, with an angle oppoſite thereunto, being given, to find the other leg. If it be known whether it or the Hypotenuſa be more or leſſe then a quadrant, or whether the other angle be acute or obtuſe.

In the rectangular triangle A B C, the leg A B is inquired

The given { Leg B C 22.8918 ; Angle B A C 30

The terms of proportion.



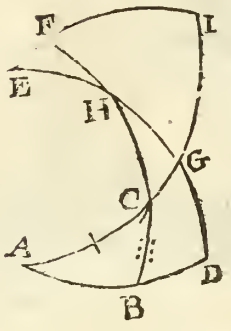
As the tangent of the oblique angle given, / *To the Radius:* { *So the tangent of the leg given,* / *To the ſine of the leg inquired.* Axiom 2. Chap. 2.

Illuſtration Arithmetical.

As the tangent	D G 30	9.76123937
To the Radius	A D 90	10.00000000
So the tangent	B C 22.8918	9.64556683
To the ſine of	A B 47	9.89412746

PROBL. 6.

The Hypotenusa and an angle given, to find the leg conterminate with the given angle.



In the rectangular triangle A B C, the leg B C is inquired

The given { Hypotenusa A C 51.0763 ; Angle B C A 70.0622

The terms of proportion.

Proportio { *As the Radius,* *To the tangent of the Hypotenusa:* *So sine compl. of the angle given,* *To the tangent of the leg inquired.* Axiom 1. Chap. 2.

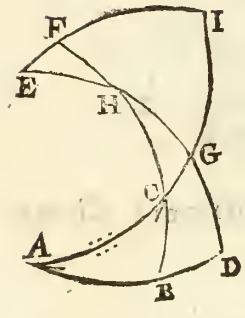
Illustration by Numbers.

As the Radius	E I	10.00000000
To tangent	E G 51.0763	10.09281350
So sine	E F 19.9378	9.53275333
To tangent	F H 22.8918	9.62556683

PROBL. 7.

The Oblique angles given, to find the Hypotenusa.

In the rectangular triangle A B C, the Hypotenusa A C is inquired



The given angles { B A C 30 ; A C B 70.0622

The terms of proportion.

Proportio { *As the tangent of either angle,* *To the Radius:* *So the tangent compl. of the other angle,* *To the sine compl. of the Hypotenusa.* Axiom 2. Chap. 2.

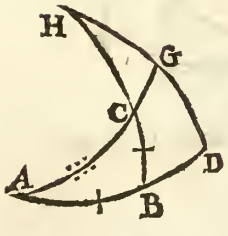
Illustration Arithmetical.

As the tangent F I 70.0622	10.44040390
To the Radius I C	10.00000000
So the tangent G H 60	10.23856063
To the sine G C 38.9237	9.79815673

PROBL. 8.

The legs given, to find the Hypotenusa.

In the rectangular triangle A B C, the Hypotenusa A C is inquired



The given legs { A B 47 ; B C 22.8918

The terms of proportion.

As the whole sine, *To the sine comp. of one leg:* { *So the sine compl. of the other leg,* *To the sine compl. of the Hypotenusa.* Axiom 1, Chap. 2.

Illustra

Illustration by numbers.

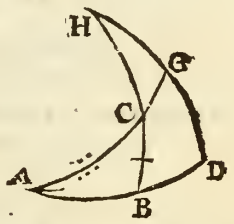
As the whole sine H B 90	10.00000000
To the sine B D 43	9.83378333
So the sine C H 67.1082	9.96437340
To the sine C G 38.9237	9.79815673

Complement A C 51.0763, the Hypotenusa inquired.

PROBL. 9.

A leg and an angle opposite thereunto; being given, to find the Hypotenusa. If it be known whether it or the other leg be more or lesse then a quadrant, or whether the other angle be acute or obtuse.

In the rectangular triangle A B C, the Hypotenusa A C is inquired



The given { Leg B C 22.8918; Angle B A C 30

The terms of proportion.

As the sine of the oblique angle given, To the whole sine: :: *So the sine of the leg given, To the sine of the Hypotenusa inquired.* Axiom 1. Ch. 2

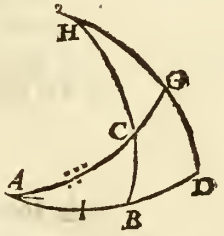
Illustration Arithmetical.

As the sine G D 30	9.69897000
To the whole sine A G 90	10.00000000
So the sine C B 22.8918	9.58994021
To the sine A C 51.0763	9.89097021

PROBL. 10.

A leg and an angle conterminate with it given, to find the Hypotenusa.

In the rectangular triangle A B C, the Hypotenusa A C is inquired



The given { Leg A B 47; Angle B A C 30

The terms of proportion.

As the Radius, To the tangent compl. of the leg given :: *So the sine compl. of the angle given, To the tangent compl. of the Hypotenusa inquired.* Ax. 2. Ch. 2.

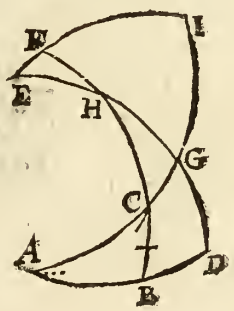
Illustration by Numbers.

As the Radius H D 90	10.00000000
To the tangent D B 43	9.96965587
So the sine H G 60	9.93753063
To the tangent G C 38.9237	9.90718650

Complement is A C 51.0763, the Hypotenusa inquired.

PROBL. 11.

An angle, and leg conterminate with it given, to find the other angle.



In the rectangular triangle A B C, the angle B A C is inquired

The given { Angle A C B 70.0622; Leg B C 22.8918

The terms of proportion.

As the whole sine, *To the sine of the angle given:* — *So the sine compl. of the given leg,* *To the sine compl. of the angle inquired.* Axiom 1. Chap. 2.

Illustration Arithmetical.

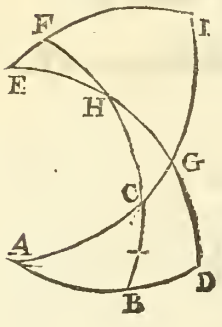
As the whole sine F C 90	10.00000000
To the sine F I 70.0622	9.97315723
So the sine H C 67.1082	9.96437340
To the sine H G 60	9.93753063

Complement is G D 30, the measure of the angle inquired.

P R O B L. 12.

An angle and leg opposite thereunto given, to find the other angle. If it be known whether it be acute or obtuse, or whether the Hypotenusa or the other leg, be more or lesse then a quadrant.

In the rectangular triangle A B C, the angle A C B is inquired



The given { Angle B A C 30 / Leg B C 22.8918 }

The terms of proportion.

Proportio: *As the sine compl. of the leg given, To the sine compl. of the angle given: So is the Radius, To the sine of the angle inquired.* Axiom 1. Chap. 2.

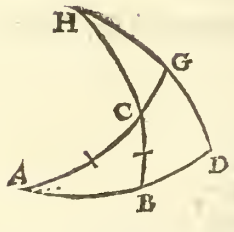
Illustration Arithmetical.

As the sine H C 67.1082	9.96437340
To the sine H G 60	9.93753063
So the whole sine F C 90	10.00000000
To the sine F I 70.0622	9.97315723

P R O B L. 13.

The Hypotenusa and a leg given, to find the angle opposite to the given leg.

In the rectangular triangle A B C, the angle B A C is inquired



The given { Hypotenusa A C 51.0763 / Leg B C 22.8918 }

The terms of proportion.

As the sine of the Hypotenusa, *To the sine of the leg given:* — *So the whole sine,* *To the sine of the angle inquired.* Axiom 1. Chap. 2.

Illustration by Numbers.

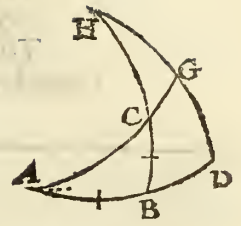
As the sine A C 51.0763	9.89097021
To the sine C B 22.8918	9.58994021
So the whole sine A G 90	10.00000000
To the sine G D 30	9.69897000

P R O B L.

PROBL. 14.

The legs given, to find either of the angles.

In the rectangular triangle A B C, the angle B A C is inquired



The given Legs { A B 47 / B C 22.8918

The terms of proportion.

Proportio { *As the sine of the leg conterminate with the given angle,* / *To the Radius:* } { *So the tangent of the other leg,* / *To the tang. of the angle inquired.* ax. 2. c. 2.

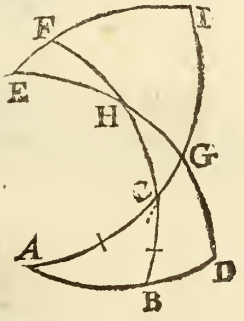
Illustration by Numbers.

As the sine A B 47	9.86412746
To the tangent B C 22.8918	9.62556684
So the Radius A D 90	10.00000000
To the tangent D G 30	9.76143938

PROBL. 15.

The Hypotenusa and a leg given, to find the angle comprehended by them.

In the rectangular triangle A B C, the angle A C B is inquired



The given { Hypotenusa A C 51.0763 / Leg B C 22.8918

The terms of proportion.

Proportio { *As the tangent of the Hypotenusa,* / *To the Radius:* / *So is the tangent of the leg given,* / *To the sine compl. of the angle inquired.* Axiom 2. Chap. 2.

Illustration Arithmetical.

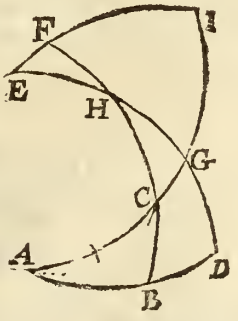
As the tangent I G 51.0763	10.09281351
To the Radius E I 90	10.00000000
So the tangent F H 22.8918	9.62556684
To the sine F E 19.9378	9.53275333

Complement is F I 70.0622, the measure of the angle A C B inquired.

PROBL. 16.

The Hypotenusa and an angle given, to find the other angle.

In the rectangular triangle A B C, the angle B A C is inquired



The given angles { Hypotenusa A C 51.0763 / Angle A C B 70.0622

The terms of proportion.

Proportio { *As the Radius,* / *To the tangent of the angle given:* / *So the sine compl. of the Hypotenusa,* / *To the tangent compl. of the angle inquired.* Axiom 2. Chap. 2.

Illustration by Numbers.

As the Radius C I 90	10.00000000
To tangent F I 70.0622	10.44040390
So sine C G 28.9237	9.79815673
To tangent G H 60	10.23856063

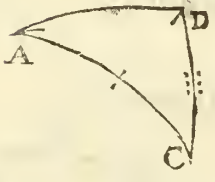
Complement is D G 30. The measure of the angle C A B, inquired.

CHAP. IV.

Of the Dimension of Obliquangular Spherical Triangles.

PROBL. 1.

Two angles, and a side opposite to one of the angles given, to find the side opposite to the other angle. If it be known whether the side sought, be more or lesse then a quadrant.



In the obliquangular triangle A C D, the side C D is inquired

The given { Angles { D A C 103.9993 ; A D C 36.1312 } ; Side C A 42.1466 }

The terms of proportion.

As the sine of the angle opposite to the side given, To the sine of the given side : } *So the sine of the other angle, To the sine of the side inquired,* by Conf. 3. ch. 2.

Illustration by Numbers.

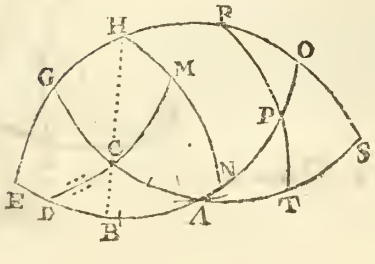
As the sine of the angle C A D 76.0007	9.98690543
To the sine of the side C A 42.1466	9.82674223
So the sine of A D C 36.1312	9.77058454
	19.59732677
To the sine of the side C D 24.0652	9.61042134

The two sides, together with their opposite angles thus found, the third side may be obtained in this manner.

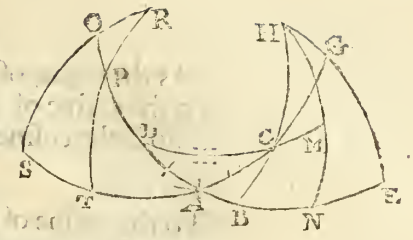
As the sine of half the difference of the angles 33.9340	9.74681945
To the sine of half the summe of the angles 70.0653	9.97316557
So the tangent of half the difference of the sides 9.0407	9.20170633
	19.17487190
To the tangent of half the other side 15	9.42805245

PROBL. 2.

Two sides, with the angle comprehended by them given, to find the other side.



For the solution of this, and most of the subsequent Probl. wherein are required two operations. The Obliquang. triang. given, is to be reduced into two rectangulars, by a perpendicular drawn from the extremity of the side known, & where it may upon the side inquired, or opposite to the inquired angle. Therefore in these rectangular triangles, whose parts in the one do answer to the like parts in the other, if they be all known, the several parts of the Obliquangular shall



ſhall be alſo known, but by thoſe Propoſitons in the beginning of the third Chapter, well underſtood, every of theſe parts may be eaſily found, for excluding the perpendicular and Radius, *as was ſhewed in the* 4, 5, 6, 7. *Conſect. Chap.* 2. The ſines or tangents of the middle part in one triangle, and the other extreams are mean proportionals between the ſines or tangents of the other middle part, and extreams, in the other triangle; for the better underſtanding whereof, we come now to the demonſtrative reſolution of every ſubſequent Problem by it ſelfe. But becauſe the perpendicular to be let fall from the vertical angle, falls ſometimes within, ſometimes without the triangle, according as the angles at the baſe, are of the ſame, or different affections, leaſt any inconvenience ſhould happen in the calculation, we have adjoyned two ſcheams, noted with the ſame letters, that the terms of proportion, and Arithmetical Illuſtration might ſerve to both.

In the Obliquangular triangle A C D, the ſide D C is inquired,

			1 *Upper Scheam.*	2 *Lower Scheam.*
The given	Sides	A D	42.1466	24.0652
		A C	30	30
	Angle	D A C	36.1312	103.9993

This and moſt of the following Problems, as I ſaid, require a double operation, the firſt ſerves for the finding the ſegments of the baſe, or vertical angles. The other for the angles or ſides inquired.

The terms of proportion.

1 For the ſegment of the baſe, *by the 6 Probl. Chap.* 3.

As Radius, } *So the ſine complement of the angle comprehended,*
To the tangent of the Hypot. } *To tang. of the ſegm. of the baſe conterminate with the angle comprehended.*

And thence the other ſegment.

2 For the ſide inquired, *by the* 5 *Conſect. Chap.* 2.

As the Coſine of the firſt baſe, } *So the Coſine of the ſecond baſe,*
To the Coſine of the Hypotenuſe: } *To the Coſine of the ſide inquired.*

Illuſtration by numbers.

As the Radius R S 90	10.00000000
To tangent T S = A C 30	9.76143937
So the coſine of O S *viz.* R O 53.8687	9.90723317
To tang. ſegm. baſe O P = A B 25	9.66867254
Whoſe complement is P A = B E 65	

We may alſo conſtitute the terms of proportion, for the ſegment of the baſe or vertical angles, without the quadrantal R S T.

As the Coſine of the angle comprehended, } *So the Radius, To the Cotangent of the ſegment of the*
To the cotang. of the Hypotenuſa: } *baſe, conterminate with the angle comprehended.*

Illuſtration by Numbers.

As the coſine E G, *viz.* H G 53.8687	9.90723317
To cotangent A C, *viz.* G C 60	10.23856063
So Radius H E 90	10.00000000
To cotangent A B, *viz.* E B 65	10.33132746

2 *Operation.*

As the cosine of A B, *viz.* B E 65	9.95727571
To the cosine of A C, *viz.* G C 60	9.93753063
So is the cosine of D B, *viz.* B N 72.8533	9.98025492
	19.91778555
To the cosine of D C, *viz.* C M 65.9348	9.96050984

Therefore D C is 24.0652. The side inquired.

And if the angle comprehended be obtuse, as in the Obliquangular triangle A C D, *of the preceding Diagram, the same method must be used. Let the other premised Data's be retained.*

I.

As the Radius R S 90	10.00000000
To tang. Hypot. S T = A C 30	9.76143937
So the cosine of O S, *viz.* R C 13.9993	9.38365410
To the tangent of O P = A B 7.9509	9.14509347

Whose complement is B E 82.0491.

II.

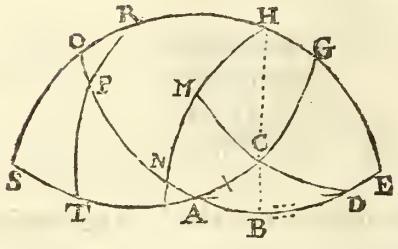
As the cosine of A B, *viz.* B E 82.0491	9.99580493
To the cosine of A C, *viz.* C G 60	9.93753063
So the cosine of D B *viz.* B N 57.9839	9.92834431
	19.86587494
To the cosine of D C, *viz.* C M 47.8533	9.87007001

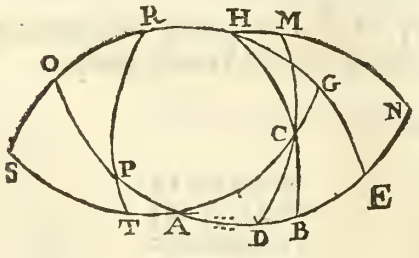
Therefore D C is 42.1466. The side inquired.

PROBL. 3.

Two angles and a side opposite to one of them being given, to find the side comprehended by those angles. If it be known, whether the side sought, or the side opposite to the other given angle, be more or lesse then a Quadrant.

In the Obliquangular triangle A D C, the side A D is inquired,





		1 *Super. Scheam.*	2 *Inferiour Scheam.*
The given	Angles C D A	36.1312	103.9993
	Angles C A D	46.3020	36.1312
	Side A C	24.0652.	42.1466

The terms of proportion.

1 For the segment of the base, *by the 6 Probl. Chap.* 3.

Proportio
- *As the Radius,*
- *To the tangent of the Hypotenusa:*
- *So the cosine of the angle given,*
- *To the tangent of the segment of the base.*

2 For the other segment of the base, *by the 6 Consect.*

The terms of proportion.

As the tang. of the angle opposite to the side given, To the cosine of the first segment of the base: :: *So the tangent of the other angle, To the sine of the other segment of the base.*

Illustra-

Illuſtration by Numbers.

I.

As the Radius R S 90	10.00000000
To tang. Hypot. S T=A C 24.0652	9.64991151
So the coſine of O S *viz.* O R 43.6980	9.83938811
To tangent of O P=A B 17.1466	9.48929962

II.

As the the tang. of A D C, *viz.* N M 36.1312	9.86335136
To the ſine of the ſegment A B 17.1466	9.46955451
So the tangent of C A D, *viz.* G E 46.3020	10.01974509
	19.48929960
To the ſine of the other ſegment D B 25	9.62594824

The ſegment A B is 17.1466.
The ſumme of the ſegm. is A D 42.1466. The ſide inquired.

And if the angles at the baſe be of diverſe affections, and the perpendicular fall without, as in the triangle of the inferiour Scheam, the manner of working is like the former. Let therefore the other Data's be retained.

I.

As the Radius R S 90	10.00000000
To the tangent of S T = A C 42.1466	9.95667220
So the coſine of S O, *viz.* O R 53.8687	9.90723317
To the tangent of O P = A B 36.1660	9.86390537

II.

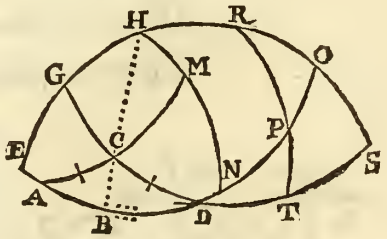
As the tangent of A D C, *viz.* M N 76.0007	10.60325133
To the ſine of the ſegment A B 36.1660	9.77094580
So the tangent of C A D, *viz.* G E 36.1312	9.86335136
	19.63429716
To the ſine of the other ſegmeut D B 6,1660	9.03104583

The ſegment A B is 34.1660.
The difference of the ſegments is A D 30. The ſide inquired.

PROBL. 4.

Two ſides and an angle oppoſite to one of them being given, to find the other ſide. If it be known whether the ſide inquired, or the ſide oppoſite to the other given angle, be acute, or obtuſe.

In the obliquangular triangle A D C, the ſide A D is inquired.

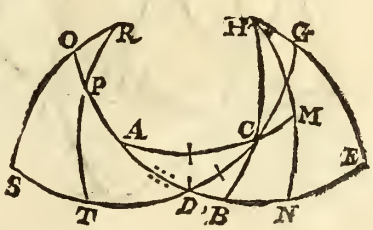


		1 *Super. Scheam.*	2 *Infer. Scheam.*
The given	Sides D C 30		24.0652
	Sides A C 24.0652		137.8533
	Angle A D C 36.1312		103.9993

The terms of the proportions.

1 For the ſegment of the baſe, *by the 6 Probl.*

Proportio { *As the Radius,* / *To the tangent of the Hypotenuſa:* / *So the coſine of the angle given,* / *To the tangent of the firſt baſe.*



2 For the ſide inquired, *by the 5 Conſect.*

As the coſine of the Hypotenuſa, *To the coſine of the firſt baſe:* } *So the coſine of the other ſide,* *To the coſine of the other ſegment.*

If the perpendicular fall within the triangle, the ſumme of the baſes, if without their difference is the ſide inquired.

Illuſtration Arithmetical.

As the Radius R S 90	10.00000000
To the tangent of D C=S T 30	9.76143937
So the coſine of O S, *viz.* R O 53.8687	9.90723317
To the tangent of O P=D B 25	9.66867254

II.

As the coſine of D C, *viz.* C G 60	9.93753063
To the coſine of D B, *viz.* B E 65	9.95727571
So the coſine of A C, *viz.* C M 65.9348	9.96050984
	19.91778555
To the coſine of A B, *viz.* B N 72.8533	9.98025492
Therefore the ſegment A B is 17.1466	
The ſegment D B 25.	
Ths ſumme of the ſegments A D 42.1466.	The ſide inquired.

The Praxis for the ſide A D, *in the triangle of the ſecond Scheam.*

As the Radius R S 90	10.00000000
To the tangent of the Hypot. D C=S T 24.0652	9.64991151
So the coſine of O S, *viz.* R O 13.9993	9.38365410
To the tang. of the ſegm. O P=D B 6.1660	9.03356561

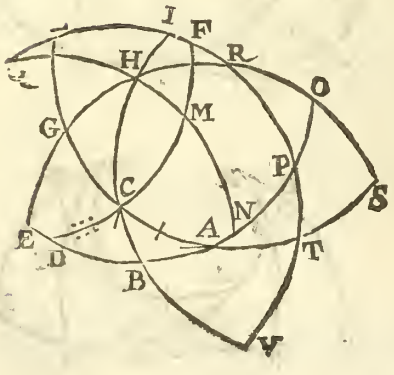
2 Operation.

As the coſine of D C, *viz.* C G 65.9348	9.96050984
To the coſine of D B, *viz.* B E 83.8339	9.99748023
So the coſine of A C, *viz.* C M 47.8533	9.87007002
	19.86755025
To the coſine of A B, *viz.* B N 53.8339	9.90704041
Therefore the ſegment A B 36.1660	
From which ſubtract the ſeg. D B 6.1660	
The difference is A D 30.	The ſide inquired.

PROBL. 5.

Two angles, and the ſide comprehended by them given, to find either of the other ſides.

In the Obliquangular triangle A C D, the ſide D C is inquired,



		1 *Super. Scheam.*	2 *Infer. Scheam.*
The given	Angles D A C	36.1312	36.1312
	Angles A C D	103.9993	46.3020
	Side A C	30	42.1466

The terms of the Proportions.

1 For the ſegment of the vertical angle, *by the 16 Probl.*

Proportio: *As the Radius,* *To the tangent of the angle oppoſite to the ſide inquired:* *So the coſine of the Hypotenuſa,* *To the tangent of the firſt vertical angle.*

2 For

2 For the side inquired, *Consect. 7. Chap. 2.*

Proportio { *As the cosine of the other segment of the vertical angle, To the tangent of the given side : So the cosine of the first vertical angle : To the tangent of the side inquired.*

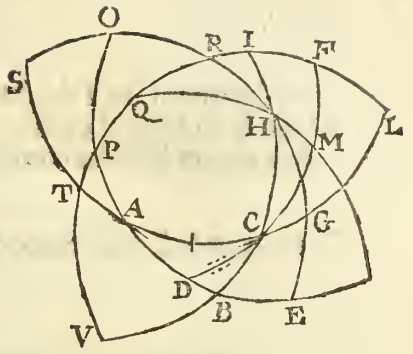


Illustration by Numbers.

As the Radius A S 90	10.0000000
To the tangent of C A D, *viz.* S O 36.1312	9.86335136
So the cosine of the side C A, *viz.* A T 60	9.93753063
To cotang. of the vert. ang. T P, *viz.* T V 32.3027	9.80088199

Therefore the segment of the vertical angle 57.6973, *viz.* A C B.

2 *Operation.*

As the cosine of F I, *viz.* Q I 43.6979	9.83938811
To the tang. of the side A C, *viz.* L G 30	9.76143937
So the cosine of L I, *viz.* R I 32.3027	9.72786024
	19.48929961
To tang. of the side inquir. F M = D C 24.0652	9.64991150

But if the perpendicular fall without, as in the second Scheam, retaining the other Data's, I say,

1 *Operation.*

As the Radius A S 90	10.0000000
To the tangent of S O 36.1312	9.86335136
So the sine of A T 47.8533	9.87007002
To the tangent of T P 28.4257	9.73342128

The complement is T V = I L 61.5743. And thence the angle D C B 15.2722.

2 *Operation.*

As the cosine of F I, *viz.* Q I 74.7278	9.98438566
To the tang. of the side A C, *viz.* L G 42.1466	9.95667220
So the cosine of L I, *viz.* R I 28.4257	9.67762494
	19.63429714
To the tangent of the side F M = D C 24.0652	9.64991148

Also from the same Data, and no more labour, both the other sides may be found together, in this manner, *by the 4 Prop. Chap. 2.*

	1 *Scheam.*	2 *Scheam.*
The angle D A C	36.1312	36.1312
The angle A C D	103.9993	46.3020
Summe of the angles	140.1305	82.4332
The half summe	70.06525	41.2166
Difference of the angles	67.8681	10.1708
Half the difference	33.93405	5.0854

1 *Operation.*

As the ſine of half the ſumme of the angles 70.66525	9.97316557
To the ſine of half the difference of the angles 33.93405	9.74681945
So tangent half the comprehended ſide 15	9.42805245
	19.17487190
To tangent half differrence of the other ſides 9.0407	9.20170633

2 *Operation.*

As the coſine of half the ſumme of the angles 19.93475	9.53268995
To the coſine of half their difference 56.0659	9.91891104
So the tang. of half the comprehended ſide 15	9.42805245
	19.34696349
To tangent half ſumme of the ſides 33.1059	9.81427354
The half difference of the ſides 9.0407	

Summe of the halfe ſumme and diff. 42.1466. The ſide A D inquired.
Differ. of the halfe ſumme and diff. 24.0652. The ſide D C inquired.

Retaining the like things given, in the triangle of the ſecond Scheam; I ſay,

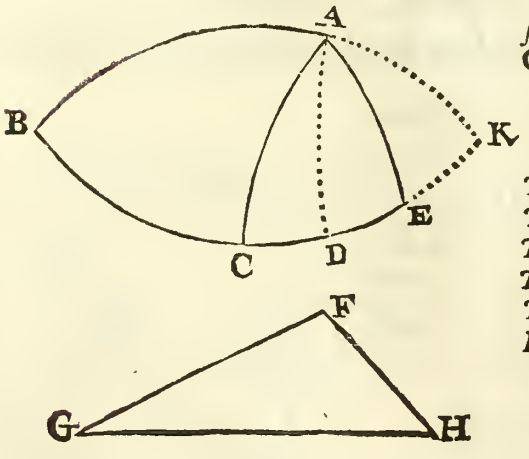
1 *Operation.*

As the ſine of the halfe ſumme of the angles 41.2166	9.81882464
To the ſine of half the difference of the angle 5.0854	8.94763132
So the tang. of half the ſide comprehended 21.0733	9.58583626
	18.53346758
To tang. of the half difference of the other ſides 2,9674	8.71464294

2 *Operation.*

As the coſine of the halfe ſumme of the angles 48.7834	9.87634702
To the coſine of half the difference 84.9146	9.99828711
So the tang. of half the ſide comprehended 21.0733	9.58583625
	19.58412336
To tangent halfe ſumme of the ſides 27.0326	9.70777634

Half difference of the ſides 2.9674
Summe, halfe ſumme, and halfe differ. 30. The ſide A D inquired.
Differ. halfe ſumme and halfe differ. 24.0652. The ſide D C inquired.



☞ *From the ſame things given, either of the other ſides, may be otherwiſe found,* by the 2 Prop. of the 2 Chap. *As in the triangle,*

ABE, Let		ABC, Let	
The angle A B E	36.131	*The ang.* A B C	36.131
The angle A E B	46.302	*The ang.* A C B	13.698
The ſumme F	82.433	*Summe* H	169.829
The difference G	10.171	*Differ.* K	97.567
The baſe B E	42.146	*The baſe* B C	7.852
Half the baſe B E	21.073	*Half baſe* B C	3.926
		Compl. of the Summe	10.171
		Compl. of the Difference	82.433

2 For-

1 For the segments B D and D E,

As the sine of the summe of the angles F	82.433	9.99620140
To the sine of the difference of the angles G	10.171	9.24695765
So is the tangent of half B E	21.073	9.58582895
		18.83278660
To the tangent of half B C	3.926	8.83658520
The sum is the greater segment B D	24.999	
The difference is the lesser segment D E or D C	17.147	

Or if the perpendicular fall without, as in the triangle A B C,

As the sine of the summe of the angles H	10.171	9.24695765
To the sine of the difference of the angles K	82.433	9.99620140
So the tang. of half B C	3.926	8.83658520
		18.83276660
To the tang. of half B E	21.073	9.58582895
The sum is the greater segment B D	24.999	
The difference is the lesser segment D E	17.147,	as before.

2 For the side A B, *by the* 10. *Probl. Chap.* 3.

As the Radius 90	10.00000000
To the co-sine of A B D 36.131	9.90723448
So the co-tangent of B D 24.999	10.33154319
To the co-tangent of A B 22.99	10.23877767

PROBL. 6.

Two sides and the angle opposite to one of them given, to finde the angle opposite to the other side. If it be known, whether it be acute or obtuse.

In the Obliquangular triangle A C D, the angle A D C is inquired.

The given { Sides { A C 30 ; A D 42.1466 } ; Angles A C D 103.9993 }

The terms of proportion.

As the sine of the side opposite to the angle given, } *So the sine of the other side,*
To the sine of the angle given: } *To the sine of the ang. inquired,* Consect. 3. Ch. 2.

Illustration Arithmetical.

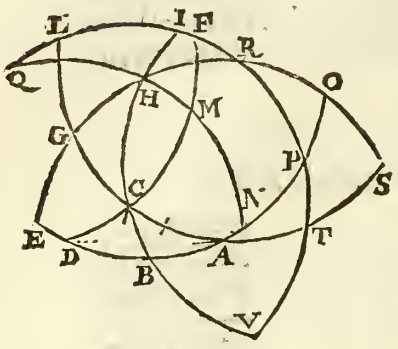
As the sine of the side A D 42.1466	9.82674223
To the sine of the angle A C D 76.0007	9.98690573
So the sine of the side A C 30	9.69896070
	19.68587573
To the sine of the angle A D C 46.3020	9.85913350

The two angles together with their opposite sides thus acquired, we may also finde the third angle after the same manner, whereby we found the third side, in the first Problem of this Chapter.

As the sine of half the difference of the sides	6.0733	9.02449003
To the sine of half the sum of the sides	36.0733	9.76998262
So the tangent of half the differ. of the ang.	28.8486	9.74104168
		19.51102430
To tang. of the compl. of half the other angle	71.9344	10.48653427
Half the other angle	18.9656	
And therefore this doubled is	36.1312,	the angle D A C inquired.

PROBL. 7.

Two angles and the side comprehended by them given, to finde the other angle.



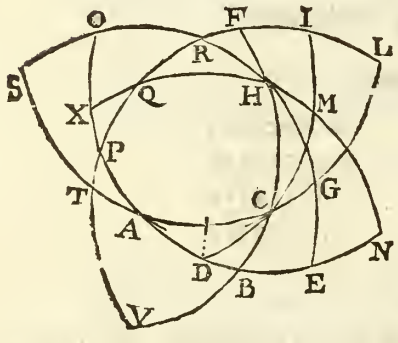
In the obliquangular triangle A C D, the angle A D C is inquired:

			1 *Super. Scheam.*	2 *Infer. Scheam*
The given	Angles	D C A	103.9993	36.1312
		D A C	36.1312	46.3020
	Side	A C	30	42.1466

The terms of proportion.

1 For the segment of the vertical angle, *by the 6 Probl.*

Proportio. *As the Radius, To the co-sine of the Hypotenusa: So the tang. of the angle at the base, To co-tang. of the segment of the first vertical ang.*



2 For the angle inquired, *by the fourth Consect.*

Proportion. *As the sine of the first segment of the vertical angle, To the sine of the second segment of the vertical angle: So the co-sine of the angle at the base, To the co-sine of the angle inquired.*

If the perpendicular fall within, the arch found; If without, the complement of the arch last found to a semicircle, is the angle inquired.

Illustration Arithmetical.

As the Radius A S	90	10.00000000
To the tangent of S O	36.1312	9.86335136
So the co-sine of C A *viz.* A T	60	9.93753063
To the tangent of T P	32.3027	9.80088199

The complement is T V = I L 57.6973, the measure of the angle A C B.

2 *Operation.*

As the sine of I L	57.6973	9.92697825
To the sine of I F	46.3020	9.85913319
So the cosine of E G, *viz.* H G	53.8687	9.90723317
		19.76636636
To the cosine of M N, *viz.* H M	43.6980	9,8393?8811
Therefore the angle A D C	46.3020, the angle inquired.	

The same Praxis is required in the triangle of the Infer. Scheme.

1 *Operation.*

As the Radius A S	90	10.00000000
To the tangent of S O	46.3020	10.01974509
So the cosine of A C, *viz.* A T	47.8533	9.87007002
To the tangent of T P	37.8085	9.88981511
Complement is T V = I L	52.1915	

2 *Operation*

2 Operation.

As the ſine of I L	52.1915	9.89766241
To the ſine of I F	16.0603	9.44192819
So the coſine of EG *viz.* HG	43.6980	9.8393881 1
		19.28131650
To the co-ſine of M N, *viz.* HM	13.9993	9.38365409
To which adding a Quadrant	90	
Their aggregate is H X	103.9993, the meaſure of the angle A D C.	
Or if the arch H M	13.9993	
Be ſubtracted from a quadrant	90 Or the arch H N.	

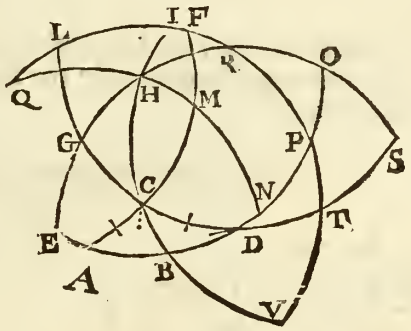
There ſhall remain the arch M N 76.0007. the meaſure of the angle C D B.
And the compl. thereof to a ſemicircle 103.9993, the angle A D C inquired.

P R O B L. 8.

Two ſides, and an angle oppoſite to either of them given, to find the angle comprehended by them. If it be known whether the angle inquired, or the angle oppoſite to the other ſide given be more or leſs then a quadrant.

In the Obliquangular triangle A D C, the angle A C D is inquired,

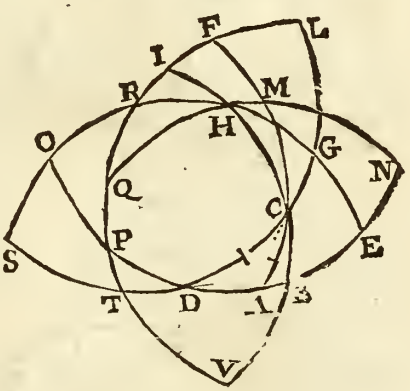
			1 *Super. Scheam.*	2 *Infer. Scheam*
The given	Sides	A C	24.0652	30
		C D	30	42.1466
	Angle	A D C	36.1312	46.3020



The terms of the Proportions.

1 For the ſegment of the vertical angle. *by the 6 Probl.*

Proportio
As the Radius,
To the tangent of the angle given;
So the coſine of the Hypotenuſa,
To the co-tangent of the ſegment of the vertical angle.



2 For the angle inquired, *Conſect.* 7.

Proportio
As the tangent of the ſide oppoſite to the angle given,
To the tangent of the other given ſide:
So the coſine of the firſt ſegment,
To the coſine of the ſecond ſegment.

If the perpendicular fall within the triangle, the ſum; if without, the difference is the angle inquired.

Illuſtration Arithmetical.

As the Radius D S	90	10.00000000
To the tangent of S O	36.1312	9.86335136
So the coſine of C D, *viz.* D T	60	9.93753063
To the tangent of T P	32.3027	9.80088199

Complement is T V = L I 57.6973, the meaſure of the ſegment D C B.

2 Operation.

As the tang. of the ſide A C = F M	24.0652	9.64991151
To the tang. of the ſide D C = L G	30	9.76143937
So the coſine of L I, *viz.* I R	32.3027	9.72786025
		19.48929962
To the coſine of I F, *viz.* I Q	43.6980	9.8393881 1
Therefore the arch I F	46.3020	
And the firſt arch found L I	57.6973	
Sum of the vertical angles	103.9993	The angle A C D inquired.

In the triangle of the inferiour Scheam.

As the Radius D S 90		
To the tangent of S O	46.3020	10.01974508
So the co-sine of C D *viz.* D T	47.8533	9.87007002
To the tangent of T P	37.8085	9.88981510
Complement is T V = L I	52.1915	

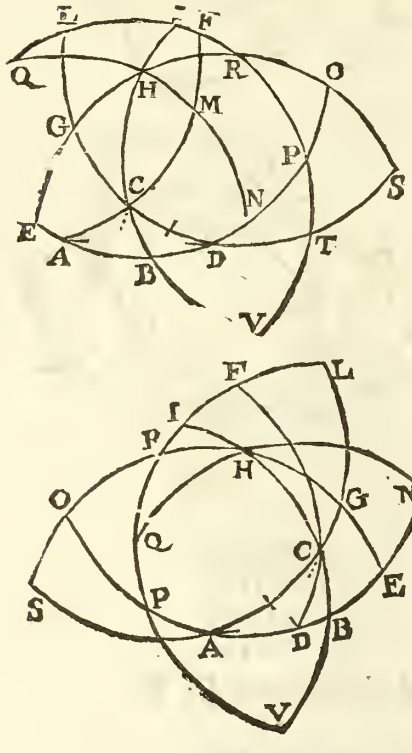
2 *Operation.*

As the tangent of the side A B = F M 30		9.76143937
To the tangent of the side D C = L G	42.1466	9.95667221
So the co-sine of L I, *viz.* I R	37.8085	9.78747752
		19.74414973
To the co-sine of I F, *viz.* I Q	73.9397	9.98271035
Therefore the arch I F	16.0603	
But the arch found is I L	52.1915	
The difference is F L	36.1312	the measure of the ang. D C A.

PROBL. 9.

Two angles and a side opposite to either of them given, to finde the other angle, If it be known, whether the angle inquired, or the side opposite to the other angle given, be more or lesse then a Quadrant.

In the Obliquangular triangle A D C, the angle A C D is inquired.



			1 *Super. Scheam.*	2 *Infer. Scheam*
The given	Angles	D A C	36.1312	46.3020
		A D C	46.3020	103.9993
	Side	A C	30	42.1466

The terms of proportion.

1 For the segment of the vertical angle, *by the 6 Probl.*

Proportio: *As the Radius,*
To the cosine of the Hypotenusa:
So the tangent of the angle at the base,
To the co-tangent of the first vertical angle.

2 For the second vertical angle, *Consect.* 4.

Proportio: *As the cosine of the angle at the base,*
To the cosine of the other angle given:
So the sine of the first vertical angle,
To the sine of the second vertical angle.

If the perpendicular fall within the triangle, the sum; if without, the difference of the vertical angle is the angle inquired.

Illustration Arithmetical.

As the Radius A S	90.	10.00000000
To the tangent of S O	36.1312	9.86335136
So the cosine of A C, *viz.* A T 60		9.93753063
To the tangent T P	32.3027	9.80088199

2 *Operation*

2 *Operation.*

As the co-sine of E G, *viz.* H G	53.8688	9.90723317
To the co-sine of N M, *viz.* H M	43.6980	9.83938811
So the sine of the first vertical I L	57.6973	9.92697825
		19.76636636
To the sine of the second vertical I F	46.3020	9,85913319
The arch L I is	57.6973	
Sum of the arches is	103.9993	The angle A C D inquired.

The Praxis for the angle A C D *in the triangle of the Infer. Scheme.*

1 *Operation.*

As the Radius A S	90	10.00000000
To the tangent of S O	46.3020	10.01974508
So the cosine of A C, *viz.* A T	47.8533	9.87007002
To the tangent of T P	37.8085	9.88981510
Complement is T V = I L	52.1915	

2 *Operation.*

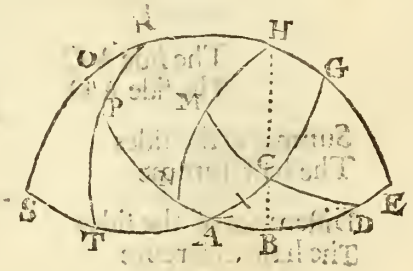
As the co-sine of E G *viz.* H G	43.6980	9.83938811
To the co-sine of N M, *viz.* H M	13.9993	9.38365410
So the sine of the first vertic. I L	52.1915	9.89766241
		19.28131651
To the sine of the second vert. I F	16.0603	9.44192840
But the arch I L is	52.1915	
The difference is the arch L F	36.1312	The measure of A C D inquired.

PROBL. 10.

Two sides, and the angle comprehended by them given, to find either of the other angles.

In the Obliquangular triangle A C D, the angle A D C is inquired,

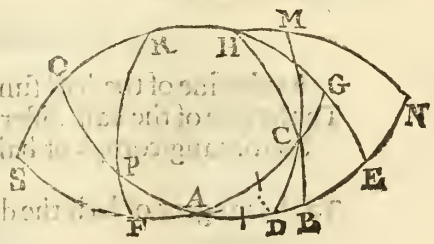
		1 *Super. Scheam.*	2 *Infer. Scheam*
The given	Sides A C	24.0652	42.1466
	Sides A D	42.1466	30
	Angle C A D	46.3020	36.1312



The terms of the Proportions.

1 For the segment of the base. *by the 6 Probl. Chap. 3.*

Proportio { *As the Radius,*
To the tangent of the Hypotenusa,
So the cosine of the angle given;
To the tangent of the first segment of the base.



2 For the angle inquired, *Consect. 6.*

Proportio { *As the sine of the second segment of the base,*
To the sine of the first segment of the base:
So the tangent of the angle given,
To the tangent of the angle inquired.

Illustration Arithmetical.

As the Radius R S	90	10.00000000
To the tangent of A C = S T	24.0652	9.64991149
So the co-sine of S O, *viz.* R O	43.6980	9.83938811
To the tang. of the segm. O P = A B	17.1466	9.48929960
Therefore the other segment D B	25	

2 *Operation.*

As the sine of the segment D B	25	6.62594826
To the sine of the first segment A B	17.1466	9.46955451
So the tang. of the given ang. E G	46.3020	10.01974508
		19.48929959
To the tang. of the inquired ang. M N	36.1312	9.86335134

The Praxis for the angle A D C *in the triangle of the Infer. Scheam.*

As the Radius R S	90	10.00000000
To the tangent of A C = S T	42,1466	9.95667221
So the cosine of S O, *viz.* R O	53.8690	9.90723317
To the tang. of the segment O P = A B	36.1660	9.86390538
Therefore the other segment D B	6.1660.	

2 *Operation.*

As the sine of the second segment D B	6.1660	9.03104584
To the sine of the first segment A B	36.1660	9.77094582
So the tang. of the angle given E G	36.1312	9.86335136
		19.63429718
To the tangent of the angle M N	76.0007	10.60325134
Complement to a semicircle	103.9993	is the angle A D C inquired.

The other two angles may be found together with the same labour, after the manner that the two sides were found in the 5. Problem.

I.		II.	
The side A C	24.0652	The side A C	42.1466
The side A D	42.1466	The side A D	30
Summe of the sides	66.2118	Summe of the sides	72,1466
The half summe	33.1059	The half summe	36.0733
Difference of the sides	18.0815	Difference of the sides	12.1466
The half difference	9.04075	The half difference	6.0733

1 *Operation.*

As the sine of the half summe of the sides	33.1059	9.73734250
To the sine of the half difference	9.04075	9.19627718
So the tang. compl. of half the angle comprehended	66.8490	10.36897367
		19.56525085
To the tangent of half the difference of the angles	33.9340	9.82790835

2 *Operation.*

As the co-sine of the half summe of the sides	66.8941	9.92306898
To the co-sine of half the difference	80.95925	9.99457091
So the co-tang. of half the angle compreh.	66.8490	10.36897367
		20.36354458
To the tang. of half the sum of the angles	70.0653	10.44047560

Half

Half the difference of the angles 33.9340

Summe	103.9993	is the angle A C D.
Difference	36.1312	is the angle A D C.

1 *Operation.*

As the sine of half the summe of the sides	36.0733	9.76998262
To the sine of half the difference	6.0733	9.02449003
So the co-tang. of half the angle comprehend.	71.9344	10.48653426
		19.51102429
To the tangent of half the differ. of the angles	28.8486	9.74104167

2 *Operation.*

As the co-sine of half the summe of the sides	53.9267	9.90755330
To the co-sine of half the difference	83.9267	9.99755557
So the co-tang. of half the ang. comprehended	71.9344	10.48653426
		20.48408983
To the tang of half the sum of the angles	75.1507	10.57653653
The half differenee of the angles	28.8486	

Summe	103.9993	is the angle A D C.
Difference	46.3021	is the angle A C D,

☞ *From the same things given, either of the other angles may be otherwise found*, by the 2 Prop. Chap. 2. *As in the triangle of the 5 Probl.*

There be given	A B E, let		A B C.	
	The side A B	30	*The side* A B	30
	The side A E	24.065	*The side* A C	24.065
	Summe F	54.065	*Summe* H	54.065
	Difference G	5.935	*Difference* K	5.935
	The ang. B A E	103.999	*The ang.* B A C	11.3954
	½ *the ang.* B A E	51.9995	½ *the ang.* B A C	5.6977

1 For the vertical angles B A D and D A E.

As the sine of the sum of the sides F	54.065	9.90831517
Is to the sine of the difference G	5.935	9.01452100
So is the co-tangent of half B A E	51.9995	9.89281765
		18.90733865
To the tangent of half B A C	5.6977	8.99902348
The sum is the greater vertical B A D	57 6972	
The difference is the lesse vertical D A E	46.3018	

Or if the perpendicular fall without, as in the triangle A B C.

As the sine of the summe of the sides H	54.065	9.90831527
To the sine of the difference of the sides K	5.935	9.01452100
So the co-tang. of half B A C	5.6977	11.00097652
		20.01549752
To the tang. of half B A E	51.9995	10.10718235
The sum is the greater vertical B A D	57.6972	
The difference is the lesser vertical D A E	46.3018,	as before.

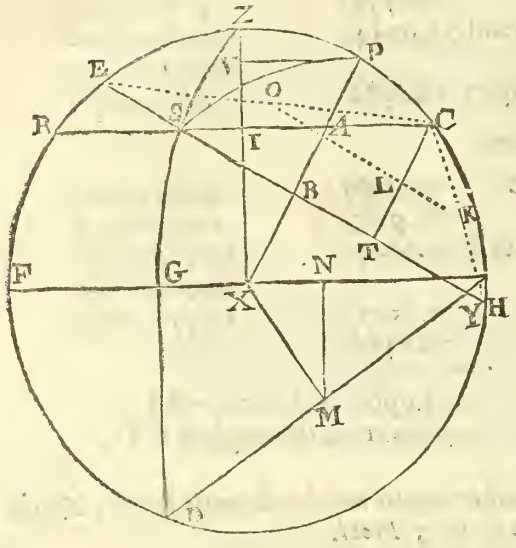
2 For the angle A B C, *by the 16. Probl. Chap. 3.*

As the Radius 90		10.00000000
To the co-sine of A B	30.	9.93753063
So the tangent of B A D	57.6972	10.19911655
To the co-tangent of A B C	36.1314	10.13664718

PROBL. II.

The three sides given, to finde any angle.

In the Obliquangular triangle Z P S, the angle P Z S is inquired.



The given Sides { P S 42.1466 / P Z 30 / Z S 24.0652

The terms of proportion.

As the rectangular of the sines of the sides comprehending the angle inquired,
To the square of Radius:
So the rectangular of the sines of half the summe and half the difference of the base, and differ. of the sides,
To the square of the sine of half the angle inquired, by Prop. 1. Chap. 2.

Illustration Arithmetical.

1 Take take the Logarithmes of the sines of the sides comprehending the angle inquired.
2 Take the Logarithm of the square of Radius
3 Take the Logarithmes of the sines of half the sum and ½ differ. of the base, & differ. of the sides.
4 If the sum of the Logarithmes of the first be subtracted from the sum of the Logarithms of the second and third, half the difference is the Logarithm of half the angle inquired.

Let the given sides be { P Z 30 / Z S 24.0652 } Logarithme of the sines { 9.69897006 / 9.61042134
Difference of the sides P C 5.9348

1 The sum of the Logarithmes 19.30939134
2 The Logarithm of Radius square 20.00000000
The base P S 42.1466
Diff of the side P C 5.9348

Sum of the base & diff. E P C 48.0814
Diff. of the base, & diff. of the sides C Y 36.2118

Half the summe C O 24.0407 } Logar. Sines { 9.61000604
Half the difference C K 18.1059 } { 9.49244544

3 The summe of the Logarithmes 19.10245148
4 The difference of the summes 19.79306014
Half the difference 9.89653007

Therefore I say,
As the Rectangular of the sine of the sides 19.30939134
To the square of Radius 20.00000000
So the Rectangular of the sines of ½ sum and ½ difference of the base, and difference of the sides 19.10245148
To the square of the sine of half the angle inquried 19.79306014
Half is the Logarithm sine of Deg. 51.99965 9.89653007
The double of the arch is 103.9993 the angle P Z S inquired.

What, and of how great worth this Logarithmical Compendium is, I had rather that the Artist should finde by his own experience then my commendation.

Otherwise 2.

Substract the Logarithmes of the sines of the sides comprehending the angle inquired, from the Logarithmes

rithmes of the ſquare of Radius, and of the ſines of half the ſum of the three ſides, and difference of the baſe and half ſum; the remainer ſhall be the Logarithm of the ſquare of the ſine complement of half the angle inquired unto a Quadrant.

Illuſtration Arithmetical of the Precept.

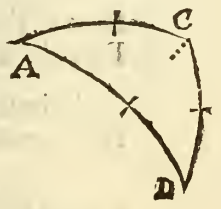
In the Obliquangular triangle A D C, the angle A C D is inquired.

			Logarith. Sines.	
The given	Baſe	A D 42.1466		
	Sides	A C 30	9.69897000	
		C D 24.0653	9.61042134	
Sum of the ſides		96,2118	19.30939134	B *Sum Logarith.*
			20.00000000	E *Rad. doubled.*
Half the ſumme		48.1059	9.87179497	
Diff. of the baſe and ½ ſum		5.9593	9.01628701	
			38.88808198	F *Summe*
			19.30939134	B
Difference of B and F			19.37869064	
Logar. ſine Deg.		38.00034	9.78934532	½ Difference.
Compl. of this arch is		51.99965		

Double the compl. 103.9993 is the Angle A C D inquired.

Otherwiſe 3.

From the half ſum of the ſides ſubduct each particular, and let the ſum of the Logarithmes of the ſides of the half ſum and difference of the ſide ſubtending the angle inquired be ſubtracted from the ſum of the Logarithmes of the ſines of the other differences and the doubled Logarithm of the Radius; the half of the Relique ſhall be the Logarithm of the tangent of half the angle inquired.



Arithmetical Illuſtration of the Precept.

In the ſame triangle, let the angle A C D be inquired.

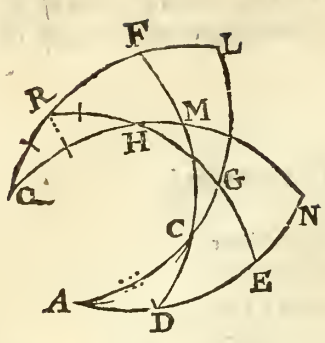
The Sides	A D	42.1466	
	A C	30	
	C D	24.0652	
Sum of the ſides		96.2118	
The half ſum		48.1059	9.87179498
Diff. 1 baſe A D and ½ ſum		5.9593	9.01628701
The ſum			18.88808199
Diff. 2 ſide A C & half ſum		18.1059	9.49244544
Diff. 3 ſide C D & half ſum		24.0407	9.61000605
Logarithme of the doubled Radius			20.00000000
The ſum			39.10245148
Firſt ſum *ſubſtract*			18.88808199
The difference			20.21436949
Half difference			10.10718474

Is the *Logar. Tang.* of Deg. 51.99965. This arch doubled is 103.9993, the ang. A C D inquired.

PROBL. 11.

The three angles given, to finde a ſide.

In the Obliquangular triangle A D C, the ſide A C is inquired.



The given angles { A D C 103.9993 / D A C 36.1312 / A C D 46.3020

This Probleme is the converſe of the laſt, and to be reſolved after the ſame manner; if ſo be we convert the angles into ſides: For the two leſſe angles are alwayes equal unto two ſides of a triangle comprehended by the arks of great Circles drawn from their Poles; and the third angle may be greater then a Quadrant, and therefore the complement thereof to a ſemicirle may be conveniently taken for the third ſide, but the angle being found, it ſhall be one of the three ſides inquired. And one of the ſides being found the other two may be found according to the Analogy of *the firſt Problem.*

As in the triangle A C D, the Poles of thoſe arks are H, R, Q, and the ſides thereof are equal to the angles of this; A D is equal to the angle at H. or arch E N. The ſide D C to the angle at Q, or the arch M F. And A C to the angle H R F: or the arch G L. Therefore if the angles A, D, C be given, the ſides Q R, Q H, R H are likewiſe given, but the angle C D E or M N is equal to the ſide Q H. Therefore the Triangle Q R H may be reſolved by the *Precept of the* 11 *Probl.*

The ſides { R Q 46.3020		9.85913319
R H 36,1312		9.77058454
Sum of the Logarithmes		19.62971773
Differerence of the ſides	10.1708	
The baſe Q H	76.0007	
Sum of the diff. of the ſides & baſe	86.1715	
Diff. of the baſe, & diff. of the ſides	65.8299	
Half the ſumme	43.08575	9.83447920
Half the difference	32.91495	9.73511449
The ſumme of the Logarithmes		19.56959369
Logarithm of the doubled Radius		20.00000000
The former ſum *ſubſtr.*		19.62971773
The difference of the Logarithmes		19.93987596
Half the differ. is the ſine of half the ang. H R Q	68.9267	9.96993798
The double whereof is	137.8534	

And the complement of the double angles 42.1466 is the angle G R L, whoſe meaſure is G L = A C the ſide inquired.

Otherwiſe 2.

The things given and inquired being as before, I ſay

As the Rectangular of the ſines of the ſides comprehending the angle inquired,
To the ſquare of Radius:
So the rectangular of the ſines of half the ſumme of the ſides, and difference of the baſe, and half ſumme,
To the ſquare of the ſine of the complement of half the angle inquired.

The

The sides { R Q	46.3020	9.85913319
R H	36.1312	9.77058454
Sum of the Logarithmes		19.62971773
The base Q H	76.0007	
Sum of the sides & base	158.4339	
½ sum of the sides & base	79.21695	9.99226303
Diff. Base and half sum	3.21625	8.74900275
Sum of the Logarithmes		18.74126578
Logarithm of the doubled Radius		20.00000000
First sum *substr.*		19.62971773
Diff. of the Logarithmes		19.11154805
Half the difference		9.55577402
Logar. sine of the angle	21.0733	
Complement of this angle	68.9267	
The double whereof is Q R H	137.8534	
Compl. of this to a semicircle	42.1466 the side A C inquired.	

Otherwise, 3.

The Sides { Q H	76.0007	
R Q	46.3020	
R H	36.1312	
Sum of the sides	158.4339	
Half sum	79.21695	9.99226303
Diff. 1 side Q H	3.2163	8.74900275
		18.74126578
		20.00000000
Diff. 2 side R Q	32.9149	9.83447920
Diff. 3 side R H	43.0857	9.73511449
Sum of the Logarithmes		19.56959369
Differ. of the Logar.		20.82832791
½ diff. is the tang. of ½ the ang. H R Q	68.9267	10.41416395
Whose double is the whole angle	137.8534	

And the compl. thereof to a semicircle 42.1466 whose measure is L G=A C.

CHAP. V.

THat all these may be done with more ease.

If the first of the three proportionals given be the whole sine or Radius, let the two middle Logarithms be added together, the first note whereof towards the left hand being cut off, the remainer shall be the Logarithm sought.

For Illustration, review the 3 *Probl. Ch.* 4. of plain, and *Probl.* 1. *Ch.* 3. of Spherical.

As Radius 90	10,0000 0000	}	*As the whole sine* 90	10.00000000
To the tang. of 28.33	9.73168554		*To the sine of* 20	9.69897000
So the leg 1123.7943	3.05068681		*So the sine of Hypot.* 51.0763	9.89097021
To the leg 605.8601	*x*2.78237235	}	*To the sine of* 22.8918	*x*9.58994021

2. If the first term given be the sine of any other angle or side, for the Logarithm of the first take his Arithmetical complement, as the learned Mr. *Briggs* hath shewed in the 15 *Chap.* of his *Arithmetica Logarith.* and from the sum of 3 Logarithms deduct an unit towards the left hand.

Let the Examples be borrowed from *Ch.* 4. *Probl.* 1. of plain: and *Ch.* 3. *Probl.* 2. of Spherical.

As the leg	1123.7943	3.05068681	}	*Sine* 67.1082	9.96437240
	Compl. arith.	6.94931319		Comp. ar.	0.03562660
To the leg	605.8601	2.78237235		*Whole sine* 90	10.00000000
So the Radius 90		10.00000000		*Sine* 38.9237	9.79815675
To the tang. of 28.33		*x*9.73168554		*Sine* 43	*x*9.83378335

Or

Or if the Logarithm of the ſecant of the complement of the arch be put in the firſt place, the fourth proportional will be the ſame. Becauſe the Radius is a mean proportional between the ſines and the ſecant of the complement. And therefore if from the double Logarithme of the Radius be ſubtracted the Logarithme of the arch given, you ſhall have the Logarithm of the ſecant of the complement, which agrees with the arithmetical complement, if you cut off the unity placed towards the left hand. If therefore we uſe the Logarithm of the ſecant, having added the three Logarithmes together, the figure of 2 is to be taken away, as appears;

10.03562660	*Logarithm of the Secant of* 22.8918
0.03562660	*Arith. comp. of the Logar. of* 67.1082

3 If the firſt of the three given be a tangent, ſubſtitute his Arithmetical complement, as before, and as here you ſee in the example of *Probl.* 5. *Ch.* 3. of Spherical.

As the tangent of 30	9.76143937	*Logarithm tangent*
	0.23856063	*Compl, Arith. Log. Tang.*
To Radius 90	10.00000000	
So the tang. of 22.8918	9.62556683	
To the ſine of 47	x9.86412746	

Or take the Logarithm of the tangent complement, which as before is almoſt the ſame with the Arithmetical complement. As

The co-tangent of the arch of 60	10.23856063
The former Arithmetical complement	0.23856063

Becauſe the Radius is a mean proportional between the tangent and the tangent complement of an arch. And therefore if the Logariihm of a tangent be ſubſtracted from the double Logarithm of the Radius, there ſhall remain the Logarithm of the tangent complement.

4 Or if the four proportionals do not expreſs lines, but Rectangulars, as when the three ſides are given, and one of the angles is inquired, or the contrary, we may take the arithmetical complements for both the Logarithmes of the firſt Rectangular; which being done, we may obtain what we deſire by Addition onely: we will uſe the examples *of the* 11 *Probl. of Ch.* 4.

The ſides	P Z	30	*Log. ſine*	9.69897000
	Z S	26,0652	*Log. ſine.*	9.61042134
P Z	30	*Complement Arithmetical*		0.30103000
Z S	26.0652	*Compl. Arith.*		0.38957866
Half ſumme	24.0407			9.61000605
Half difference	18.1259			9.49244544
				19.79306015
The half ſum, as before.				9.89653007

The third variety of the 11. Probl.

Half ſumme of the ſides	48.1059	*Log. ſine*	9.87179497
The firſt difference	5.9593	*Log. ſine*	9.01628701
Compl. Arithmetical of the firſt			0.12820503
Compl. Arithmetical of the ſecond			0.98371299
The ſecond Difference			9.49244544
The third Difference			9.61000604
Summe			20.21436950
Half ſumme as before			10.10718475

Here the complements arithmetical are taken for the two firſt Logarithmes, becauſe they do ſerve for the firſt Rectangular of the four proportionals, and the Logarithme of the Radius doubled is omitted, for the ſubſtraction of the figure 2 from the ſumme which comes of the addition of the five Logarithmes, as Mr. *Briggs* hath ſhewed, and we have often declared in our publique Aſtronomical Lectures.

FINIS.

CHILIADES
CENTUM
LOGARITHMORUM

Pro Numeris naturali ſerie creſcentibus ab
Unitate ad 100.000

LONDINI,
Excudebant ROBERTUS & GULIELMUS
LEYBOURN, 1658.

Chiliades centum Logarithmorum.

Num.	Logarithm.	Num.	Logarithm.	Num.	Logarithm.	Num.	Logatithm.
1	0.00000000	51	1.70757017	101	2.00432137	151	2.17897695
2	0.30102999	52	1.71600334	102	2.00860017	152	2.18184358
3	0.47712125	53	1.72427587	103	2.01283722	153	2.18469143
4	0.60205999	54	1.73239376	104	2.01703334	154	2.18752072
5	0.69897000	55	1.74036269	105	2.02118930	155	2.19033170
6	0.77815125	56	1.74818803	106	2.02530586	156	2.19312460
7	0.84509804	57	1.75587485	107	2.02938377	157	2.19589965
8	0.90308998	58	1.76342799	108	2.03342375	158	2.19865708
9	0.95424251	59	1.77085201	109	2.03742650	159	2.10139712
10	1.00000000	60	1.77815125	110	2.04139268	160	2.20411998
11	1.04139268	61	1.78532984	111	2.04532297	161	2.20682587
12	1.07918125	62	1.79239168	112	2.04921802	162	2.20951501
13	1.11394335	63	1.79934055	113	2.05307844	163	2.21218760
14	1.14612804	64	1.80617997	114	2.05690485	164	2.21484385
15	1.17609126	65	1.81291335	115	2.06069784	165	2.21748394
16	1.20411998	66	1.81954393	116	2.06445799	166	2.22010809
17	1.23044892	67	1.82607480	117	2.06818586	167	2.22271647
18	1.25527250	68	1.83250891	118	2.07188201	168	2.22530928
19	1.27875360	69	1.83884909	119	2.07554696	169	2.22788679
20	1.30102999	70	1.84509804	120	2.07918125	170	2.23044892
21	1.32221929	71	1.85125835	121	2.08278537	171	2.23299611
22	1.34242268	72	1.85733250	122	2.08635983	172	2.23552845
23	1.36172784	73	1.86332286	123	2.08990511	173	2.23804610
24	1.38021124	74	1.86923172	124	2.09342168	174	2.24054924
25	1.39794001	75	1.87506126	125	2.09691001	175	2.24303805
26	1.41497335	76	1.88081359	126	2.10037054	176	2.24551267
27	1.43136376	77	1.88649072	127	2.10380372	177	2.24797327
28	1.44715803	78	1.89209460	128	2.10720997	178	2.25042000
29	1.46239800	79	1.89762709	129	2.11058971	179	2.25285303
30	1.47712125	80	1.90308938	130	2.11394335	180	2.25527251
31	1.49136169	81	1.90848502	131	2.11727129	181	2.25767857
32	1.50514998	82	1.91381385	132	2.12057393	182	2.26007138
33	1.51851394	83	1.91907809	133	2.12385164	183	2.26245109
34	1.53147892	84	1.92427928	134	2.12710480	184	2.26481782
35	1.54406804	85	1.92941893	135	2.13033376	185	2.26717173
36	1.55630250	86	1.93449845	136	2.13353891	186	2.26951294
37	1.56820172	87	1.93951925	137	2.13672057	187	2.27184161
38	1.57978360	88	1.94448267	138	2.13987909	188	2.27415785
39	1.59106461	89	1.94939001	139	2.14301480	189	2.27646180
40	1.60205999	90	1.95424251	140	2.14612804	190	2.27875360
41	1.61278386	91	1.95904139	141	2.14921911	191	2.28103337
42	1.62324929	92	1.96378783	142	2.15228834	192	2.28330123
43	1.63346845	93	1.96848295	143	2.15533604	193	2.28555731
44	1.64345268	94	1.97312785	144	2.15836249	194	2.28780173
45	1.65321251	95	1.97772361	145	2.16136800	195	2.29003461
46	1.66275783	96	1.98227123	146	2.16435285	196	2.29225607
47	1.67209786	97	1.98677173	147	2.16731733	197	2.29446623
48	1.68124124	98	1.99122607	148	2.17026172	198	2.29666519
49	1.69019608	99	1.99563519	149	2.17318627	199	2.29885308
50	1.69897000	100	2.00000000	150	2.17609126	200	2.30102999

Chiliades centum Logarithmorum.

Num.	Logarithm.	Num.	Logarithm.	Num.	Logarithm.	Num.	Logatithm.
201	2.30319605	251	2.39967372	301	2.47856650	351	2.54530711
202	2.30535137	252	2.40140054	302	2.48000694	352	2.54654266
203	2.30749604	253	2.40312052	303	2.48144263	353	2.54777470
204	2.30963017	254	2.40483371	304	2.48287358	354	2.54900326
205	2.31175386	255	2.40654018	305	2.48429984	355	2.55022835
206	2.31386722	256	2.40823996	306	2.48572143	356	2.55144999
207	2.31597034	257	2.40993312	307	2.48713837	357	2.55266822
208	2.31806333	258	2.41161970	308	2.48855072	358	2.55388303
209	2.32014628	259	2.41329976	309	2.48995848	359	2.55509445
210	2.32221929	260	2.41497335	310	2.49136169	360	2.55630250
211	2.32428245	261	2.41664051	311	2.49276038	361	2.55750720
212	2.32633586	262	2.41830129	312	2.49415459	362	2.55870857
213	2.32837960	263	2.41995575	313	2.49554433	363	2.55990663
214	2.33041377	264	2.42160393	314	2.49692965	364	2.56110138
215	2.33243846	265	2.42324587	315	2.49831055	365	2.56229286
216	2.33445375	266	2.42488163	316	2.49968708	366	2.56348108
217	2.33645973	267	2.42651126	317	2.50105926	367	2.56466605
218	2.33845649	268	2.42813479	318	2.50242711	368	2.56584782
219	2.34044411	269	2.42975228	319	2.50379068	369	2.56702637
220	2.34242268	270	2.43136376	320	2.50514997	370	2.56820172
221	2.34439227	271	2.43296929	321	2.50650503	371	2.56937391
222	2.34635297	272	2.43456890	322	2.50785587	372	2.57054294
223	2.34830486	273	2.43616265	323	2.50920252	373	2.57170883
224	2.35024802	274	2.43775056	324	2.51054501	374	2.57287160
225	2.35218252	275	2.43933269	325	2.51188336	375	2.57403127
226	2.35410844	276	2.44090908	326	2.51321760	376	2.57518784
227	2.35602586	277	2.44247977	327	2.51454775	377	2.57634135
228	2.35793485	278	2.44404480	328	2.51587384	378	2.57749180
229	2.35983548	279	2.44560420	329	2.51719589	379	2.57863921
230	2.36172784	280	2.44715803	330	2.51851393	380	2.57978360
231	2.36361198	281	2.44870631	331	2.51982799	381	2.58092497
232	2.36548798	282	2.45024911	332	2.52113808	382	2.58206336
233	2.36735592	283	2.45178643	333	2.52244423	383	2.58319877
234	2.36921586	284	2.45331834	334	2.52374647	384	2.58433122
235	2.37106786	285	2.45484486	335	2.52504481	385	2.58546073
236	2.37291200	286	2.45636603	336	2.52633927	386	2.58658730
237	·3747+835	287	2.45788189	337	2.52762990	387	2.58771096
238	2.37657696	288	2.45939248	338	2.52891670	388	2.58883172
239	2.37839790	289	2.46089784	339	2.53019969	389	2.58994960
240	2.38021124	290	2.46239799	340	2.53147892	390	2.59106461
241	2.38201704	291	2.46389299	341	2.53275437	391	2.59217675
242	2.38381536	292	2.46538285	342	2.53402611	392	2.59328607
243	2.38560627	293	2.46686762	343	2.53529412	393	2.59439255
244	2.38738983	294	2.46834733	344	2.53655844	394	2.59549623
245	2.38916608	295	2.46982201	345	2.53781909	395	2.59659709
246	2.39093511	296	2.47129171	346	2.53907610	396	2.59769518
247	2.39269695	297	2.47275645	347	2.54032947	397	2.59879050
248	2.39445168	298	2.47421626	348	2.54157924	398	2.59988307
249	2.39619935	299	2.47567118	349	2.54282543	399	2.60097289
250	2.39794001	300	2.47712125	350	2.54406804	400	2.60205999

Chiliades centum Logarithmorum.

Num.	Logarithm.	Num.	Logarithm.	Num.	Logarithm.	Num.	Logarithm.
401	2.60314437	451	2.65417654	501	2.69983773	551	2.74115160
402	2.60422605	452	2.65513843	502	2.70070371	552	2.74193907
403	2.60530505	453	2.65609820	503	2.70156798	553	2.74272513
404	2.60638136	454	2.65705585	504	2.70243054	554	2.74350976
405	2.60745502	455	2.65801140	505	2.70329137	555	2.74429298
406	2.60852603	456	2.65896484	506	2.70415051	556	2.74507479
407	2.60959441	457	2.65991620	507	2.70500796	557	2.74585519
408	2.61066016	458	2.66086548	508	2.70586371	558	2.74663419
409	2.61172331	459	2.66181268	509	2.70671778	559	2.74741181
410	2.61278386	460	2.66275783	510	2.70757018	560	2.74818803
411	2.61384182	461	2.66370092	511	2.70842090	561	2.74896286
412	2.61489721	462	2.66464197	512	2.70926996	562	2.74973631
413	2.61595005	463	2.66558099	513	2.71011736	563	2.75050839
414	2.61700034	464	2.66651798	514	2.71096312	564	2.75127910
415	2.61804809	465	2.66745295	515	2.71180723	565	2.75204845
416	2.61909333	466	2.66838591	516	2.71264970	566	2.75281643
417	2.62013605	467	2.66931688	517	2.71349054	567	2.75358306
418	2.62117628	468	2.67024585	518	2.71432975	568	2.75434833
419	2.62221402	469	2.67117284	519	2.71516735	569	2.75511226
420	2.62324929	470	2.67209785	520	2.71600334	570	2.75587485
421	2.62428209	471	2.67302091	521	2.71683772	571	2.75663611
422	2.62531245	472	2.67394199	522	2.71767050	572	2.75739603
423	2.62634037	473	2.67486114	523	2.71850168	573	2.75815462
424	2.62736586	474	2.67577834	524	2.71933129	574	2.75891189
425	2.62838893	475	2.67669361	525	2.72015930	575	2.75966784
426	2.62940960	476	2.67760695	526	2.72098574	576	2.76042248
427	2.63042787	477	2.67851837	527	2.72181061	577	2.76117581
428	2.63144377	478	2.67942789	528	2.72263392	578	2.76192784
429	2.63245729	479	2.68033551	529	2.72345567	579	2.76267856
430	2.63346845	480	2.68124124	530	2.72427587	580	2.76342799
431	2.63447727	481	2.68214507	531	2.72509452	581	2.76417613
432	2.63548375	482	2.68304703	532	2.72591163	582	2.76492298
433	2.63648789	483	2.68394713	533	2.72672721	583	2.76566855
434	2.63748973	484	2.68484536	534	2.72754126	584	2.76641285
435	2.63848925	485	2.68574174	535	2.72835378	585	2.76715586
436	2.63948648	486	2.68663627	536	2.72916478	586	2.76789762
437	2.64048144	487	2.68752896	537	2.72997428	587	2.76863810
438	2.64147411	488	2.68841982	538	2.73078227	588	2.76937733
439	2.64246452	489	2.68930886	539	2.73158876	589	2.77011529
440	2.64345267	490	2.69019608	540	2.73239376	590	2.77085201
441	2.64443858	491	2.69108149	541	2.73319726	591	2.77158748
442	2.64542227	492	2.69196510	542	2.73399928	592	2.77232171
443	2.64640373	493	2.69284692	543	2.73479983	593	2.77305469
444	2.64738297	494	2.69372695	544	2.73559889	594	2.77378644
445	2.64836001	495	2.69460520	545	2.73639650	595	2.77451696
446	2.64933486	496	2.69548167	546	2.73719264	596	2.77524625
447	2.65030752	497	2.69635638	547	2.73798733	597	2.77597433
448	2.65127801	498	2.69722934	548	2.73878056	598	2.77670118
449	2.65224634	499	2.69810054	549	2.73957234	599	2.77742682
450	2.65321251	500	2.69897000	550	2.74036269	600	2.77815125

Chiliades centum Logarithmorum.

Num.	Logarithm.	*Num.*	Logarithm.	*Num.*	Logarithm.	*Num.*	Logarithm.
601	2.77887447	651	2.81358099	701	2.84571802	751	2.87563994
602	2.77959649	652	2.81424759	702	2.84633711	752	2.87621784
603	2.78031731	653	2.81491318	703	2.84695533	753	2.87679497
604	2.78103694	654	2.81557775	704	2.84757266	754	2.87737134
605	2.78175537	655	2.81624130	705	2.84818912	755	2.87794695
606	2.78247262	656	2.81690384	706	2.84880470	756	2.87852180
607	2.78318869	657	2.81756537	707	2.84941941	757	2.87909588
608	2.78390357	658	2.81822589	708	2.85003326	758	2.87966921
609	2.78461729	659	2.81888541	709	2.85064624	759	2.88024178
610	2.78532984	660	2.81954394	710	2.85125835	760	2.88081359
611	2.78604121	661	2.82020145	711	2.85186960	761	2.88138465
612	2.78675142	662	2.82085798	712	2.85247999	762	2.88195497
613	2.78746047	663	2.82151353	713	2.85308953	763	2.88252454
614	2.78816837	664	2.82216808	714	2.85369821	764	2.88309336
615	2.78887512	665	2.82282165	715	2.85430604	765	2.88366143
616	2.78958071	666	2.82347423	716	2.85491302	766	2.88422877
617	2.79028516	667	2.82412583	717	2.85551915	767	2.88479536
618	2.79098847	668	2.82477646	718	2.85612444	768	2.88536122
619	2.79169065	669	2.82542612	719	2.85672889	769	2.88592634
620	2.79239169	670	2.82607480	720	2.85733250	770	2.88649072
621	2.79309160	671	2.82672252	721	2.85793526	771	2.88705438
622	2.79379038	672	2.82736927	722	2.85853720	772	2.88761730
623	2.79448805	673	2.82801506	723	2.85913830	773	2.88817949
624	2.79518459	674	2.82865990	724	2.85973857	774	2.88874096
625	2.79588002	675	2.82930377	725	2.86033801	775	2.88930170
626	2.79657433	676	2.82994670	726	2.86093662	776	2.88986172
627	2.79726754	677	2.83058867	727	2.86153441	777	2.89042102
628	2.79795964	678	2.83122969	728	2.86213138	778	2.89097960
629	2.79865064	679	2.83186977	729	2.86272753	779	2.89153746
630	2.79934055	680	2.83250891	730	2.86332286	780	2.89209460
631	2.80002936	681	2.83314711	731	2.86391738	781	2.89265103
632	2.80071708	682	2.83378437	732	2.86451108	782	2.89320675
633	2.80140371	683	2.83442070	733	2.86510397	783	2.89376176
634	2.80208926	684	2.83505610	734	2.86569606	784	2.89431606
635	2.80277373	685	2.83569057	735	2.86628734	785	2.89486966
636	2.80345712	686	2.83632411	736	2.86687781	786	2.89542255
637	2.80413943	687	2.83695674	737	2.86746749	787	2.89597473
638	2.80482068	688	2.83758844	738	2.86805636	788	2.89652622
639	2.80550086	689	2.83821922	739	2.86864444	789	2.89707700
640	2.80617997	690	2.83884909	740	2.86923172	790	2.89762709
641	2.80685803	691	2.83947805	741	2.86981821	791	2.89817648
642	2.80753503	692	2.84010609	742	2.87040390	792	2.89872518
643	2.80821097	693	2.84073323	743	2.87098881	793	2.89927318
644	2.80888587	694	2.84135947	744	2.87157294	794	2.89982050
645	2.80955071	695	2.84198480	745	2.87215627	795	2.90036713
646	2.81023252	696	2.84260924	746	2.87273883	796	2.90091307
647	2.81090428	697	2.84323278	747	2.87332060	797	2.90145832
648	2.81157501	698	2.84385542	748	2.87390160	798	2.90200289
649	2.81224470	699	2.84447717	749	2.87448182	799	2.90254678
650	2.81291336	700	2.84509804	750	2.87506126	800	2.90308999

Chiliades centum Logarithmorum.

Num.	Logarithm.	Num.	Logarithm.	Num.	Logarithm.	Num.	Logarithm.
801	2.90363252	851	2.92992956	901	2.95472479	951	2.97818052
802	2.90417437	852	2.93043959	902	2.95520654	951	2.97863695
803	2.90471555	853	2.93094903	903	2.95568775	951	2.97909290
804	2.90525605	854	2.93145787	904	2.95616843	951	2.97954837
805	2.90579588	855	2.63196611	905	2.95664857	951	2.98000337
806	2.90633504	856	2.93247376	909	2.95712820	956	2.98045789
807	2.90687353	857	2.93298082	907	2.95760728	957	2.98091194
808	2.90741136	858	2.93348728	908	2.95808585	958	2.98136551
809	2.90794852	859	2.93399316	909	2.95856388	959	2.98181861
810	2.90848502	860	2.93449845	910	2.95904139	960	2.98227123
811	2.90902085	861	2.93500315	911	2.95951838	961	2.98272339
812	2.90955603	862	2.93550727	912	2.95999484	962	2.98317507
813	2.91009055	863	2.93601080	913	2.96047078	963	2.98362629
814	2.91062440	864	2.93651374	914	2.96094620	964	2.98407703
815	2.91115761	865	2.93701611	915	2.96142109	965	2.98452731
816	2.91169015	866	2.93751789	916	2.96189547	966	2.98497713
817	2.91222206	867	2.93801910	917	2.96236933	967	2.98542647
818	2.91275330	868	2.93851973	918	2.96284268	968	2.98587536
819	2.91328390	869	2.93901977	919	2.96331551	969	2.98632377
820	2.91381385	870	2.93951925	920	2.96378783	970	2.98677173
821	2.91434316	871	2.94001815	921	2.96425963	971	2.98721923
822	2.91487182	872	2.94051648	922	2.96473092	972	2.98766626
823	2.91539984	873	2.94101424	923	2.96520170	973	2.98811284
824	2.91592721	874	2.94151143	924	2.96567197	974	2.98855896
825	2.91645395	875	2.94200805	925	2.96614173	975	2.98900462
826	2.91698005	876	2.94250411	926	2.96661099	976	2.98944982
827	2.91750551	877	2.94299959	927	2.96707973	977	2.98989456
828	2.91803034	878	2.94349451	928	2.96754798	978	2.99033885
829	2.91855453	879	2.94398887	929	2.96801571	979	2.99078269
830	2.91907809	880	2.94448267	930	2.96848295	980	2.99122607
831	2.91960102	881	2.94497591	931	2.96894968	981	2.99166901
832	2.92012333	882	2.94546858	932	2.96941591	982	2.99211148
833	2.92064500	883	2.94596070	933	2.96988164	983	2.99255352
834	2.92116605	884	2.94645226	934	2.97034688	984	2.99299510
835	2.92168647	885	2.94694327	935	2.97081161	985	2.99343623
836	2.92220627	886	2.94743372	936	2.97127585	986	2.99387691
837	2.92272546	887	2.94792362	937	2.97173959	987	2.99431715
838	2.92324402	888	2.94841297	938	2.97220284	988	2.99475694
839	2.92376196	889	2.94890176	939	2.97266559	989	2.99519629
840	2.92427928	890	2.94939001	940	2.97312785	990	2.91563519
841	2.92479599	891	2.94987770	941	2.97358962	991	2.99607365
842	2.92531209	892	2.95036485	942	2.97405090	992	2.99651167
843	2.92582757	893	2.95085146	943	2.97451169	993	2.99694925
844	2.92634245	894	2.95133752	944	2.97497199	994	2.99738638
845	2.92685671	895	2.95182304	945	2.97543181	995	2.99782308
846	2.92737036	896	2.95230800	946	2.97589114	996	2.99825934
847	2.92788341	897	2.95279244	947	2.97634997	997	2.99869516
848	2.92839585	898	2.95327634	948	2.97680834	998	2.99913054
849	2.92890769	899	2.95375969	949	2.97726621	999	2.99956549
850	2.92941893	900	2.95424251	950	2.97772361	1000	3.00000000

Chiliades centum Logarithmorum.

Num	0	1	2	3	4	5	6	7	8	9.	Lo.D 3
1000	000.00000	04343	08685	13027	17368	21709	26050	30390	34730	39069	63749
1001	·43408	47746	52084	56422	60759	65095	69432	73767	78103	82438	63709
1002	·86772	91106	95440	99773	04106	08438	12770	17101	21432	25763	63659
1003	001.30093	34423	38752	43081	47409	51737	56065	60392	64719	69045	63619
1004	·73371	77696	82021	86346	90670	94994	99317	03640	07962	12284	63579
1005	002.16606	20927	25247	29568	33888	38207	42526	46845	51163	55480	63528
1006	·59798	64115	68431	72747	77062	81377	85692	90006	94320	98634	63488
1007	003.02947	07259	11571	15883	20194	24505	28815	33125	37435	41744	63448
1008	·46053	50361	54669	58976	63283	67590	71896	76202	80507	84812	63407
1009	·89116	93420	97724	02027	06330	10632	14934	19235	23536	27837	63357
1010	004.32137	36437	40736	45035	49333	53631	57929	62226	66523	70819	63317
1011	·75115	79411	83706	88000	92294	96588	00882	05175	09467	13759	63276
1012	005.18051	22342	26633	30923	35213	39503	43792	48081	52369	56657	63236
1013	·60944	65231	69518	73804	78090	82375	86660	90945	95229	99512	63185
1014	006.03795	08078	12361	16643	20924	25205	29486	33766	38046	42325	63144
1015	·46604	50882	55160	59438	63715	67992	72269	76545	80821	85096	63104
1016	·89370	93645	97919	02192	06465	10738	15010	19282	23553	27824	63063
1017	007.32095	36365	40635	44904	49173	53441	57709	61977	66244	70511	63022
1018	·74777	79143	83309	87574	91839	96103	00367	04630	08893	13156	62972
1019	008.17418	21680	25941	30202	34462	38723	42982	47241	51500	55759	62931
1020	·60017	64274	68531	72788	77045	81301	85556	89811	94066	98320	62889
1021	009.02574	06828	11081	15333	19585	23837	28088	32339	36590	40840	62849
1022	·45090	49339	53588	57836	62084	66332	70579	74826	79072	83318	62808
1023	·87563	91808	96053	00297	04541	08785	13028	17270	21512	25754	62767
1024	010.29996	34237	38477	42717	46957	51196	55435	59674	63912	68149	62726
1025	·72387	76623	80860	85096	89331	93566	97801	02035	06269	10503	62675
1026	011.14736	18969	23201	27433	31664	35895	40126	44356	48586	52815	62634
1027	·57044	61273	65501	69728	73956	78183	82409	86635	90861	95087	62592
1028	·99311	03536	07760	11984	16207	20430	24652	28874	33095	37317	62551
1029	012.41537	45758	49977	54197	58416	62635	66853	71071	75288	79506	62510
1030	·83722	87939	92155	96370	00585	04800	09014	13228	17441	21654	62469
1031	013.25867	30079	34290	38502	42713	46923	51133	55343	59552	63761	62428
1032	·67970	72177	76385	80593	84800	89006	93212	97417	01623	05827	62386
1033	014.10032	14236	18440	22643	26846	31048	35250	39452	43653	47854	62335
1034	·52054	56254	60453	64652	68851	73050	77247	81445	85642	89839	62293
1035	·94035	98231	02426	06621	10816	15010	19204	23397	27591	31783	62252
1036	015.35975	40167	44358	48550	52740	56931	61120	65312	69499	73687	62211
1037	·77875	82063	86251	90438	94624	98811	02996	07182	11367	15551	62169
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1039	·61555	65734	69914	74093	78271	82449	86627	90804	94981	99158	62086
1040	017.03334	07510	11685	15860	20034	24208	28382	32555	36728	40901	62044
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1056	.66391	70504	74616	78727	82839	86950	91060	95170	99280	03389	61384
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1061	.71538	75631	79724	83816	87908	91999	96090	00181	04272	08362	61182
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1103	.57551	61488	65425	69361	73297	77233	81169	85104	89039	92973	59494
1104	.96907	00840	04774	08707	12639	16572	20503	24435	28366	32297	59450
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1106	.75512	79439	83365	87291	91216	95141	99066	02990	06915	10838	59372
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1113	.49516	53418	57319	61220	65121	69022	72922	76821	80721	84620	59106
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1115	047.27486	31381	35276	39170	43064	46957	50850	54743	58635	62527	59028
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1237	.36969	40480	43991	47501	51011	54520	58030	61539	65047	68556	54518
1238	.72064	75572	79079	82587	86094	89601	93107	96613	00119	03625	54481
1239	093.07130	10635	14140	17644	21149	24653	28156	31660	35163	38666	54444
1240	.42168	45670	49172	52674	56175	59676	63177	66678	70178	73678	54406
1241	.77178	80677	84176	87675	91174	94672	98170	01668	05165	08662	54381
1242	094.12159	15656	19152	22648	26144	29639	33134	36629	40124	43618	54344
1243	.47112	50606	54100	57593	61086	64578	68071	71563	75055	78546	54307
1244	.82038	85529	89019	92510	96000	99490	02979	06468	09957	13446	54270
1245	095.16935	20423	23911	27398	30886	34373	37859	41346	44832	48318	54232
1246	.51804	55289	58774	62259	65744	69228	72712	76195	79679	83162	54195
1247	.86645	90127	93610	97092	00573	04055	07536	11017	14498	17978	54170
1248	096.21458	24938	28417	31897	35376	38854	42333	45811	49289	52766	54132
1249	.56243	59720	63197	66674	70150	73626	77101	80576	84052	87526	54095

Chiliades centum Logarithmorum.

Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
1250	096.91001	94475	97949	01423	04896	08369	11842	15314	18787	22259	54057
1251	097.25730	29202	32673	36144	39615	43085	46555	50025	53494	56963	54032
1252	.60432	63901	67369	70838	74305	77773	81240	84707	88174	91640	53995
1253	.95107	98573	02038	05503	08969	12433	15898	19362	22826	26290	53957
1254	098.29753	33216	36679	40142	43604	47066	50528	53989	57451	60911	53920
1255	.64372	67832	71293	74752	78212	81672	85130	88589	92048	95506	53895
1256	.98963	02421	05878	09335	12792	16249	19705	23161	26617	30072	53857
1257	099.33527	36982	40437	43891	47345	50799	54252	57706	61159	64611	53819
1258	.68064	71516	74968	78419	81870	85321	88772	92223	95673	99123	53781
1259	100.02573	06022	09471	12920	16368	19817	23265	26712	30160	33607	53756
1260	.37054	40501	43947	47393	50839	54285	57730	61175	64620	68064	53718
1261	.71508	74953	78396	81839	85282	88725	92168	95610	99052	02494	53681
1262	101.05935	09376	12817	16258	19698	23138	26578	30018	33457	36896	53643
1263	.40335	43773	47211	50650	54087	57524	60961	64398	67835	71271	53617
1264	.74707	78143	81578	85013	88448	91883	95317	98751	02185	05619	53580
1265	102.09052	12485	15918	19350	22783	26214	29646	33078	36509	39939	53542
1266	.43370	46800	50230	53660	57090	60519	63948	67377	70805	74233	53504
1267	.77661	81089	84515	87943	91370	94796	98223	01649	05074	08500	53478
1268	103.11925	15350	18774	22199	25623	29047	32470	35893	39317	42739	53440
1269	.46162	49584	53006	56428	59849	63270	66691	70111	73532	76952	53402
1270	.80372	83791	87210	90629	94048	97466	00885	04302	07720	11137	53377
1271	104.14555	17971	21388	24804	28220	31636	35051	38467	41882	45296	53339
1272	.48711	52125	55539	58952	62366	65779	69191	72604	76016	79428	53300
1273	.82840	86251	89662	93073	96484	99894	03305	06714	10124	13533	53275
1274	105.16942	20351	23760	27168	30576	33984	37391	40798	44205	47612	53237
1275	.51018	54424	57830	61235	64641	68046	71451	74855	78259	81663	53198
1276	.85067	88470	91874	95276	98679	02081	05484	08885	12287	15688	53173
1277	106.19089	22490	25890	29291	32691	36090	39490	42889	46288	49687	53135
1278	.53085	56483	59881	63278	66676	70073	73470	76866	80262	83658	53096
1279	.87054	90449	93845	97239	00634	04029	07423	10816	14210	17603	53071
1280	107.20996	24389	27782	31174	34567	37958	41349	44740	48131	51522	53032
1281	.54912	58303	61693	65082	68471	71861	75249	78638	82027	85414	52994
1282	.88802	92190	95577	98964	02350	05737	09123	12509	15895	19280	52968
1283	108.22665	26050	29435	32819	36203	39587	42970	46354	49737	53119	52930
1284	.56502	59884	63266	66648	70029	73410	76791	80172	83552	86932	52891
1285	.90312	93692	97071	00450	03829	07208	10586	13964	17342	20719	52865
1286	109.24095	27473	30850	34226	37603	40979	44354	47730	51105	54480	52827
1287	.57854	61229	64603	67976	71350	74723	78096	81469	84842	88214	52801
1288	.91586	94958	98329	01700	05071	08442	11812	15182	18552	21922	52762
1289	110.25291	28660	32029	35398	38766	42134	45502	48869	52237	55604	52724
1290	.58971	62337	65703	69069	72435	75800	79166	82531	85895	89260	52698
1291	.92624	95988	99351	02715	06078	09441	12803	16165	19528	22889	52659
1292	111.26251	29612	32973	36334	39694	43055	46415	49774	53134	56493	52621
1293	.59852	63211	66569	69927	73285	76643	80000	83357	86714	90071	52595
1294	.93427	96783	00139	03495	06850	10205	13560	16914	20269	23623	52556
1295	112.26976	30330	33683	37036	40389	43741	47093	50445	53797	57148	52530
1296	.60500	63851	67201	70552	73902	77252	80601	83951	87300	90649	52491
1297	.93997	97345	00694	04041	07389	10737	14083	17430	20776	24123	52465
1298	113.27469	30814	34160	37505	40850	44195	47539	50884	54228	57571	52426
1299	.60915	64258	67601	70943	74286	77628	80970	84311	87653	90994	52387

Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
1300	113·94335	97675	01016	04356	07696	11035	14374	17714	21052	24391	52361
1301	114·27729	31067	34405	37742	41080	44417	47753	51090	54426	57762	52322
1302	·61098	64433	67769	71104	74438	77773	81107	84441	87774	91108	52296
1303	·94441	97774	01107	04439	07771	11103	14435	17766	21097	24428	52257
1304	115·27759	31089	34419	37749	41079	44408	47737	51066	54394	57723	52231
1305	·61051	64378	67706	71033	74360	77687	81014	84340	87666	90992	52192
1306	·94317	97642	00967	04292	07617	10941	14265	17589	20912	24235	52153
1307	116·27558	30881	34204	37526	40848	44169	47491	50812	54133	57453	52126
1308	·60774	64094	67414	70734	74053	77372	80691	84010	87328	90646	52087
1309	·93964	97282	00599	03916	07233	10550	13866	17182	20498	23814	52061
1310	117·27129	30444	33759	37074	40388	43702	47016	50329	53643	56956	52022
1311	·60269	63581	66894	70205	73517	76829	80140	83451	86762	90073	51996
1312	·93383	96693	00003	03312	06622	09931	13239	16548	19856	23164	51956
1313	118·26472	29780	33087	36394	39701	43007	46313	49619	52925	56231	51930
1314	·59536	62841	66146	69450	72755	76059	79362	82666	85969	89272	51890
1315	·92575	95877	99180	02482	05783	09085	12386	15687	18988	22288	51864
1316	119·25588	28888	32188	35488	38787	42086	45385	48683	51981	55279	51825
1317	·58577	61874	65172	68469	71765	75062	78358	81654	84950	88245	51798
1318	·91541	94836	98130	01425	04719	08013	11307	14600	17893	21186	51759
1319	120·24479	27772	31064	34356	37647	40939	44230	47521	50812	54102	51732
1320	·57393	60683	63972	67262	70551	73840	77129	80417	83706	86994	51693
1321	·90281	93569	96856	00143	03430	06716	10003	13289	16574	19860	51666
1322	121·23145	26430	29715	32999	36284	39568	42851	46135	49418	52701	51627
1323	·55984	59266	62549	65831	69113	72394	75675	78956	82237	85518	51600
1324	·88798	92078	95358	98637	01917	05196	08475	11753	15031	18310	51560
1325	122·21588	24865	28142	31419	34696	37973	41249	44525	47801	51077	51534
1326	·54352	57627	60902	64176	67451	70725	73999	77272	80546	83819	51494
1327	·87092	90364	93637	96909	00181	03452	06724	09995	13266	16537	51468
1328	123·19807	23077	26347	29617	32886	36155	39424	42693	45961	49230	51428
1329	·52498	55765	59033	62300	65567	68834	72100	75366	78632	81898	51401
1330	·85164	88429	91694	94959	98223	01487	04751	08015	11279	14542	51375
1331	124·17805	21068	24330	27593	30855	34117	37378	40639	43901	47161	51335
1332	·50422	53682	56942	60202	63462	66721	69980	73239	76498	79756	51308
1333	·83014	86272	89530	92787	96045	99302	02558	05815	09071	12327	51268
1334	125·15582	18838	22093	25348	28603	31857	35112	38366	41619	44873	51241
1335	·48126	51379	54632	57884	61137	64389	67641	70892	74143	77394	51201
1336	·80645	83896	87146	90396	93646	96896	00145	03394	06643	09892	51174
1337	126·13140	16388	19636	22884	26131	29379	32626	35872	39119	42365	51134
1338	·45611	48857	52102	55347	58592	61837	65082	68326	71570	74814	51108
1339	·78057	81301	84544	87786	91029	94271	97513	00755	03997	07238	51081
1340	127·10479	13720	16961	20201	23441	26681	29921	33160	36400	39639	51041
1341	·42877	46116	49354	52592	55830	59067	62304	65541	68778	72015	51014
1342	·75251	78487	81723	84959	88194	91429	94664	97898	01133	04367	50974
1343	128·07601	10834	14068	17301	20534	23767	26999	30231	33463	36695	50947
1344	·39926	43158	46389	49619	52850	56080	59310	62540	65770	68999	50930
1345	·72228	75457	78685	81914	85143	88370	91597	94825	98052	01279	50879
1346	129·04505	07732	10958	14184	17410	20635	23861	27086	30310	33535	50853
1347	·36759	39983	43207	46430	49654	52877	56100	59322	62545	65767	50812
1348	·68989	72210	75432	78653	81874	85095	88315	91535	94755	97975	50785
1349	130·01194	04414	07633	10852	14070	17288	20506	23724	26942	30159	50758

Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
1350	130.33376	36593	39810	43026	46242	49458	52674	55889	59105	62320	50718
1351	.65534	68749	71963	75177	78391	81605	84818	88031	91244	94456	50691
1352	.97669	00881	04093	07304	10516	13727	16938	20149	23359	26569	50650
1353	131.29779	32989	36198	39408	42617	45826	49034	52242	55450	58658	50623
1354	.61866	65173	68280	71487	74694	77900	81107	84313	87518	90724	50596
1355	.93929	97134	00339	03543	06748	09952	13156	16359	19562	22766	50555
1356	132.25968	29171	32374	35576	38778	41979	45181	48382	51583	54784	50528
1357	.57984	61185	64385	67584	70784	73983	77182	80381	83580	86778	50501
1358	.89976	93174	96372	99570	02767	05964	09161	12357	15553	18749	50460
1359	133.21945	25141	28336	31531	34726	37921	41115	44309	47503	50697	50433
1360	.53890	57084	60277	63469	66662	69854	73046	76238	79430	82621	50406
1361	.85812	89003	92194	95384	98574	01764	04954	08143	11332	14521	50365
1362	134.17710	20899	24087	27275	30463	33651	36838	40025	43212	46399	50338
1363	.49585	52772	55957	59143	62328	65514	68699	71884	75068	78252	50310
1264	.81437	84620	87804	90987	94171	97354	00536	03719	06901	10083	50270
1365	134.13265	16446	19627	22809	25989	29170	32350	35530	38710	41890	50242
1366	.45069	48249	51428	54606	57785	60963	64141	67319	70497	73674	50215
1367	.76851	80028	83204	86381	89558	92733	95909	99084	02259	05434	50174
1368	136.08609	11784	14958	18132	21306	24480	27653	30826	33999	37172	50147
1369	.40344	43517	46689	49860	53032	56203	59374	62545	65716	68886	50119
1370	.72056	75226	78396	81565	84735	87903	91072	94241	97409	00577	50078
1371	137.03745	06913	10080	13247	16414	19581	22747	25913	29079	32245	50051
1372	.35411	38576	41741	44906	48070	51235	54399	57563	60727	63890	50023
1373	.67053	70216	73379	76542	79704	82866	86028	89189	92351	95512	49942
1374	.98673	01833	04994	08154	11314	14474	17633	20793	23952	27111	49964
1375	138.30269	33428	36586	39744	42902	46059	49216	52373	55530	58687	49927
1376	.61843	64999	68155	71310	74466	77621	80776	83931	87085	90239	49886
1377	.93394	96547	99701	02854	06007	09160	12313	15465	18618	21770	49858
1378	139.24921	28073	31224	34375	37526	40677	43827	46977	50127	53277	49831
1379	.56426	59575	62724	65873	69022	72170	75318	78466	81614	84761	49803
1380	.87908	91055	94202	97348	00495	03641	06786	09932	13077	16222	49762
1381	140.19367	22512	25656	28801	31945	35088	38232	41375	44518	47661	49734
1382	.50804	53946	57088	60230	63372	66514	69655	72796	75937	79077	49706
1383	.82218	85358	88498	91637	94777	97916	01055	04194	07332	10470	49665
1384	141.13609	16746	19884	23021	26159	29296	32432	35569	38705	41841	49637
1385	.44977	48112	51248	54383	57518	60653	63787	66921	70055	73189	49609
1386	.76323	79456	82589	85722	88854	91987	95119	98251	01383	04514	49582
1387	142.07646	10777	13908	17038	20169	23299	26429	29558	32688	35817	49580
1388	.38946	42075	45204	48332	51460	54588	57716	60843	63970	67097	49512
1389	.70224	73351	76477	79603	82729	85855	88980	92105	95230	98355	49485
1390	133.01480	04604	07728	10852	13975	17099	20222	23345	26468	29590	49457
1391	.32713	35835	38956	42078	45199	48321	51442	54562	57683	60803	49415
1392	.63923	67043	70162	73282	76401	79520	82639	85757	88875	91993	49387
1393	.95111	98229	01346	04463	07580	10697	13813	16930	20046	23161	49359
1394	144.26277	29392	32507	35622	38737	41851	44966	48080	51193	54307	49331
1395	.57420	60533	63646	66759	69871	72984	76096	79207	82319	85430	49303
1396	.88541	91652	94763	97873	00984	04094	07203	10313	13422	16531	49262
1397	145.19640	22749	25857	28965	32073	35181	38289	41396	44503	47610	49234
1398	.50717	53823	56929	60035	63141	66247	69352	72457	75562	78667	49206
1399	.81771	84875	87979	91083	94186	97290	00393	03496	06598	09701	49178

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Num	0	1	2	3	4	5	6	7	8	9	Lo.D -3
1400	146.12803	15905	19007	22108	25210	28311	31412	34512	37613	40713	49136
1401	.43813	46913	50012	53112	56211	59310	62408	65507	68605	71703	49108
1402	.74810	77898	80996	84093	87190	90286	93383	96479	99575	02671	49080
1403	147.05767	08862	11957	15052	18147	21241	24335	27429	30523	33617	49052
1404	.35710	39803	42896	45989	49082	52174	55266	58358	61449	64541	49023
1405	.67632	70723	73814	76904	79994	83084	86174	89264	92354	95443	48981
1406	.98532	01620	04709	07797	10885	13973	17061	20148	23235	26322	48953
1407	148.29409	32496	35582	38668	41754	44840	47925	51011	54096	57180	48925
1408	.60265	63349	66434	69517	72601	75685	78768	81851	84934	88016	48897
1409	.91099	94181	97263	00345	03426	06508	09589	12669	15750	18831	48869
1410	149.21911	24991	28071	31150	34229	37309	40387	43466	46545	49623	48826
1411	.52701	55779	58857	61934	65011	68088	71164	74241	77317	80393	48798
1412	.83469	86545	89620	92695	95770	98845	01920	04994	08068	11142	48770
1413	150.14216	17289	20362	23435	26508	29581	32653	35725	38797	41869	48742
1414	.44940	48012	51083	54154	57224	60295	63365	66435	69505	72574	48713
1415	.75643	78713	81781	84850	87919	90987	94055	97123	00190	03258	48685
1416	151.06325	09392	12459	15525	18591	21657	24723	27789	30854	33920	48643
1417	.36985	40049	43114	46178	49242	52306	55370	58433	61497	64560	48614
1418	.67623	70685	73748	76810	79872	82934	85996	89056	92117	95178	48586
1419	.98239	01300	04360	07420	10480	13539	16599	19658	22717	25775	48557
1420	152.28834	31892	34950	38008	41066	44123	47181	50238	53295	56351	48529
1421	.59407	62463	65519	68575	71631	74686	77741	80796	83850	86905	48501
1422	.89959	93013	96067	99121	02174	05227	08280	11333	14385	17437	48458
1423	153.20490	23541	26593	29644	32696	35747	38797	41848	44898	47949	48429
1424	.50998	54048	57098	60147	63196	66245	69294	72342	75390	78438	48401
1425	.81486	84534	87581	90629	93675	96722	99768	02814	05861	08906	48372
1426	154.11952	14997	18043	21088	24133	27177	30221	33266	36310	39353	48344
1427	.42397	45440	48483	51526	54569	57611	60653	63696	66737	69779	48315
1428	.72820	75861	78902	81943	84984	88024	91064	94104	97144	00183	48287
1429	155.03222	06261	09300	12339	15377	18415	21453	24491	27529	30566	48244
1430	.33603	36640	39677	42713	45750	48786	51822	54857	57893	60928	48215
1431	.63963	66998	70032	73067	76101	79135	82168	85202	88235	91268	48187
1432	.94301	97334	00366	03399	06431	09463	12494	15526	18557	21588	48158
1433	156.24619	27649	30679	33710	36740	39769	42799	45828	48857	51886	48129
1434	.54915	57943	60971	63999	67027	70055	73082	76109	79136	82163	48101
1435	.85190	88216	91242	94268	97294	00319	03344	06370	09394	12419	48072
1436	157.15443	18468	21492	24516	27539	30563	33586	36609	39631	42654	48043
1437	.45676	48698	51720	54742	57764	60785	63806	66827	69847	72868	48015
1438	.75888	78908	81928	84948	87967	90986	94005	97024	00042	03061	47971
1439	158.06079	09097	12115	15132	18149	21166	24183	27200	30216	33233	47943
1440	.36249	39265	42280	45296	48311	51326	54341	57355	60369	63384	47914
1441	.66398	69411	72425	75438	78451	81464	84477	87489	90502	93514	47885
1442	.96526	99537	02549	05560	08571	11582	14592	17603	20613	23623	47856
1443	159.26633	29642	32652	35661	38670	41678	44687	47695	50703	53711	47827
1444	.56719	59726	62734	65741	68747	71754	74761	77767	80773	83779	47798
1445	.86784	89790	92795	95800	98805	01809	04813	07818	10822	13825	47769
1446	160.16829	19832	22835	25839	28841	31843	34846	37848	40850	43851	47741
1447	.46853	49854	52855	55856	58856	61857	64857	67857	70857	73856	47712
1448	.79856	79855	82854	85853	88851	91849	94848	97846	00843	03841	47683
1449	161.06838	09835	12832	15829	18825	21821	24818	27813	30809	33804	47654

Chiliades centum Logarithmorum.

Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
1450	161.36800	39795	42790	45784	48779	51773	54767	57761	60754	63748	47625
1451	.66741	69734	72727	75719	78711	81704	84695	87687	90679	93670	47581
1452	.96661	99652	02643	05633	08624	11614	14603	17543	20583	23572	47552
1453	162.26561	29550	32538	35527	38515	41503	44491	47479	50466	53453	47523
1454	.56440	59427	62414	65400	68386	71372	74358	77343	80329	83314	47494
1455	.86299	89284	92268	95252	98237	01220	04204	07188	10171	13154	47465
1456	163.16137	19120	22102	25084	28067	31048	34030	37012	39993	42974	47436
1457	.45955	48935	51916	54896	57876	60856	63835	66815	69794	72773	47407
1458	.75752	78731	81709	84687	87665	90643	93620	96598	99575	02552	47377
1459	164.05529	08505	11482	14458	17434	20409	23385	26360	29335	32310	47348
1460	.35285	38260	41234	44208	47182	50156	53129	56102	59076	62048	47319
1461	.65021	67994	70966	73938	76910	79882	82853	85824	88795	91766	47290
1462	.94737	97707	00677	03648	06617	09587	12555	15525	18495	21463	47261
1463	165.24434	27401	30369	33337	36305	39272	42240	45207	48174	51141	47231
1464	.54107	57074	60040	63006	65972	68937	71902	74868	77833	80797	47202
1465	.83752	86726	89691	92654	95618	98582	01545	04508	07471	10434	47173
1466	166.13397	16359	19321	22283	25245	28206	31168	34129	37090	40050	47143
1467	.43011	45971	48931	51891	54851	57810	60770	63729	66688	69647	47114
1468	.72605	75563	78521	81479	84437	87395	90352	93309	96266	99223	47085
1469	167.02170	05126	08092	11048	14004	16959	19914	22869	25824	28779	47055
1470	.31734	34687	37642	40596	43549	46503	49456	52409	55362	58315	47026
1471	.61267	64219	67172	70124	73075	76026	78978	81929	84879	87830	46996
1472	.90781	93731	96681	99631	02581	05531	08479	11428	14377	17326	46967
1473	168.20275	23223	26171	29118	32066	35014	37962	40908	43855	46801	46938
1474	.49748	52695	55641	58586	61532	64477	67423	70368	73313	76257	46908
1475	.79202	82146	85091	88034	90978	93922	96865	99807	02751	05693	46879
1476	169.08636	11578	14521	17491	20404	23345	26286	29227	32168	35109	46849
1477	.38049	40989	43929	46869	49809	52748	55688	58627	61566	64505	46819
1478	.67444	70382	73319	76257	79195	82133	85011	88007	90944	93881	46790
1479	.96817	99754	02689	05626	08562	11497	14432	17367	20303	23237	46760
1480	170.26172	29106	32039	34974	37907	40841	43775	46707	49641	52573	46731
1481	.55506	58438	61372	64302	67234	70165	73098	76028	78959	81889	46701
1482	.84821	87751	90681	93610	96540	99471	02399	05328	08257	11186	46671
1483	171.14115	17044	19972	22899	25827	28755	31683	34609	37536	40463	46642
1484	.43390	46316	49243	52168	55095	58021	60946	63871	66796	69721	4661½
1485	.72645	75569	78494	81418	84342	87266	90189	93112	96035	98958	46582
1486	172.01881	04804	07726	10647	13569	16492	19413	22334	25255	28176	46553
1487	.31096	34017	36937	39857	42777	45697	48617	51536	54455	57374	46523
1488	.60293	63211	66130	69048	71966	74884	77802	80718	83636	86553	46493
1489	.89469	92386	95303	98219	01135	04051	06966	09881	12797	15712	46463
1490	173.18627	21542	24456	27371	30284	33198	36112	39025	41938	44852	46434
1491	.47764	50677	53589	56502	59414	62326	65237	68148	71061	73972	46404
1492	.76883	79793	82704	85614	88524	91434	94344	97253	00163	03072	46374
1493	174.05981	08889	11798	14706	17614	20523	23431	26338	29245	32153	46344
1494	.35059	37966	40873	43779	46685	49592	52497	55403	58309	61214	46344
1495	.64119	67024	69928	72833	75737	78642	81546	84449	87353	90256	46284
1496	.93159	96062	98965	01867	04769	07672	10574	13476	16377	19278	46254
1497	175.22180	25081	27982	30883	33783	36683	39583	42483	45383	48282	46235
1498	.51182	54081	56979	59878	62776	65675	68573	71471	74368	77266	46209
1499	.80163	83061	85957	88854	91751	94647	97543	00439	03335	06231	46179

Chiliades Centum Logarithmorum.

Num	0	1	2	3	4	5	6	7	8	9	Lo. D 3
1500	176.09126	12021	14916	17811	20705	23599	26494	29388	32282	35175	46149
1501	.38069	40962	43855	46748	49641	52533	55426	58318	61210	64102	46119
1502	.66993	69885	72776	75666	78557	81448	84338	87228	90118	93008	46089
1503	.95898	98787	01676	04566	07455	10343	13231	16119	19008	21896	46059
1504	177.24784	27671	30558	33445	36332	39219	42106	44992	47878	50764	46029
1505	.53649	56535	59421	62306	65191	68076	70961	73845	76729	79613	45999
1506	.82497	85381	88264	91147	94031	96914	99796	02678	05561	08443	45969
1507	178.11325	14206	17088	19969	22851	25732	28613	31494	34374	37254	45939
1508	.40134	43014	45894	48773	51653	54532	57411	60289	63167	66046	45909
1509	.68924	71802	74679	77557	80435	83312	86188	89065	91942	94818	45878
1510	.97694	00571	03446	06322	09197	12073	14948	17823	20697	23572	45863
1511	179.26446	29321	32194	35068	37941	40815	43688	46562	49434	52307	45833
1512	.55179	58052	60923	63795	66667	69538	72409	75281	78152	81022	45803
1513	.83893	86763	89633	92503	95373	98243	01112	03981	06850	09719	45773
1514	180.12587	15456	18324	21192	24061	26927	29795	32662	35529	38396	45742
1515	.41263	44129	46996	49863	52728	55594	58459	61325	64190	67055	45712
1516	.69921	72785	75649	78514	81377	84242	87105	89968	92832	95695	45682
1517	.98558	01421	04284	07146	10008	12869	15732	18594	21455	24316	45651
1518	181.27177	30038	32898	35759	38619	41479	44339	47199	50058	52918	45621
1519	.55777	58636	61495	64354	67212	70071	72928	75786	78644	81502	45606
1520	.84358	87216	90073	92929	95786	98643	01498	04355	07211	10066	45575
1521	182.12922	15776	18632	21486	24341	27196	30049	32904	35758	38612	45545
1522	.41465	44318	47171	50025	52877	55730	58583	61435	64287	67138	45514
1523	.69991	72842	75693	78544	81395	84245	87096	89946	92798	95647	45484
1524	.98497	01346	04196	07045	09894	12743	15592	18440	21288	24136	45453
1525	183.26984	29832	32679	35527	38374	41222	44068	46914	49761	52607	45423
1526	.55453	58299	61144	63991	66836	69681	72526	75371	78215	81059	45392
1527	.83904	86747	89592	92435	95278	98122	00964	03808	06651	09493	45377
1528	184.12335	15177	18019	20862	23703	26544	29385	32226	35067	37908	45347
1529	.40748	43588	46429	49268	52108	54948	57787	60626	63466	66304	45316
1530	.69143	71982	74819	77658	80496	83333	86171	89008	91845	94682	45285
1531	.97519	00356	03192	06028	08864	11701	14536	17372	20206	23042	45255
1532	185.25876	28712	31546	34381	37214	40048	42882	45716	48549	51383	45224
1533	.54216	57048	59881	62714	65546	68378	71209	74042	76874	79705	45193
1534	.82536	85367	88198	91028	93859	96689	99519	02349	05179	08008	45178
1535	186.10838	13667	16496	19325	22153	24982	27811	30638	33466	36294	45147
1536	.39122	41949	44776	47603	50429	53256	56083	58909	61736	64561	45117
1537	.67387	70212	73037	75863	78687	81513	84337	87162	89986	92809	45086
1538	.95634	98457	01281	04104	06927	09750	12573	15395	18217	21039	45055
1539	187.23862	26684	29505	32327	35148	37969	40791	43611	46432	49252	45024
1540	.52072	54892	57712	60532	63351	66171	68989	71808	74627	77445	45009
1541	.80264	83082	85900	88718	91535	94353	97171	99987	02804	05621	44978
1542	188.08437	11254	14069	16885	19702	22517	25333	28148	30963	33778	44947
1543	.36593	39407	42222	45036	47849	50663	53477	56291	59104	61917	44916
1544	.64729	67543	70355	73167	75979	78792	81603	84415	87226	90037	44886
1545	.92848	95659	98469	01281	04091	06901	09711	12521	15331	18140	44855
1546	189.20949	23758	26567	29375	32184	34993	37801	40608	43416	46224	44839
1547	.49032	51838	54646	57453	60259	63066	65872	68678	71484	74290	44808
1548	.77096	79901	82706	85512	88316	91121	93925	96729	99534	02338	44777
1549	190.05142	07945	10748	13552	16355	19158	21961	24763	27566	30368	44746

Num	0	1	2	3	4	5	6	7	8	9	Lo. D 3
1550	190.33169	35972	38773	41575	44376	47177	49978	52778	55579	58379	44715
1551	.61179	63979	66779	69579	72378	75178	77977	80776	83575	86373	44700
1552	.89172	91969	94768	97566	00364	03161	05958	08755	11552	14349	44669
1553	191.17145	19942	22738	25534	28330	31126	33922	36716	39512	42306	44638
1554	.45102	47896	50691	53485	56278	59073	61865	64659	67453	70246	44607
1555	.73039	75832	78625	81417	84209	87002	89794	92585	95377	98168	44575
1556	192.00959	03751	06541	09332	12122	14913	17703	20493	23282	26072	44560
1557	.28862	31651	34439	37228	40017	42805	45594	48382	51169	53957	44529
1558	.56745	59533	62325	65107	67894	70681	73467	76253	79039	81826	44498
1559	.84612	87397	90183	92968	95753	98538	01323	04107	06892	09676	44466
1560	193.12459	15244	18027	20811	23594	26377	29161	31943	34726	37508	44435
1561	.40291	43073	45854	48636	51417	54198	56981	59761	62542	65323	44420
1562	.68103	70883	73663	76443	79223	82003	84783	87562	90341	93119	44388
1563	.95898	98676	01455	04233	07011	09788	12566	15344	18121	20898	44357
1564	194.23675	26452	29228	32004	34781	37557	40333	43108	45884	48659	44326
1565	.51434	54209	56984	59758	62533	65307	68082	70855	73628	76403	44312
1566	.79176	81949	84722	87495	90267	93039	95812	98584	01356	04128	44279
1567	195.06899	09671	12443	15213	17984	20755	23525	26296	29066	31836	44247
1568	.24606	27375	30145	32914	35683	38453	41221	43989	46758	49526	44216
1569	.62204	64972	67740	70507	73365	76132	78899	81666	84433	87199	44200
1570	.89965	92732	95497	98263	01028	03794	06559	09324	12089	14854	44169
1571	196.17618	20383	23147	25911	28675	31438	34202	36965	39728	42491	44138
1572	.45254	48017	50779	53542	56304	59065	61827	64588	67350	70112	44106
1573	.72872	75633	78394	81154	83915	86675	89435	92194	94958	97714	44075
1574	197.00473	03232	05991	08749	11508	14266	17025	19783	22541	25298	44043
1575	.28056	30813	33571	36327	39084	41841	44597	47354	50109	52865	44027
1576	.55622	58377	61133	63887	66643	69397	72152	74907	77661	80415	43996
1577	.83169	85923	88677	91431	94184	96937	99689	02443	05195	07947	43964
1578	198.10699	13452	16204	18956	21707	24458	27209	29961	32712	35463	43949
1579	.38213	40963	43714	46464	49213	51963	54712	57462	60211	62959	43917
1580	.65708	68457	71206	73954	76702	79450	82197	84945	87693	90439	43885
1581	.93187	95934	98681	01427	04174	06919	09666	12412	15157	17903	43870
1582	199.20648	23393	26138	28883	31627	34371	37116	39861	42604	45348	43838
1583	.48092	50835	53578	56321	59064	61807	64549	67292	70034	72776	43806
1584	.75517	78259	81002	83742	86483	89224	91965	94706	97446	00186	43775
1585	200.02926	05666	08406	11146	13885	16625	19364	22103	24842	27579	43759
1586	.30318	33056	35795	38533	41271	44007	46745	49482	52219	54956	43727
1587	.57693	60429	63165	65902	68637	71374	74109	76844	79579	82315	43695
1588	.85049	87785	90519	93254	95988	98722	01456	04189	06923	09656	43663
1589	201.12389	15123	17856	20588	23321	26053	28785	31517	34249	36981	43648
1590	.39713	42444	45175	47906	50637	53367	56098	58828	61558	64288	43616
1591	.67018	69747	72477	75206	77935	80664	83393	86122	88850	91578	43584
1592	.94306	97034	99762	02489	05217	07944	10671	13398	16125	18852	43568
1593	202.21577	24304	27029	29756	32482	35207	37932	40657	43382	46107	43536
1594	.48832	51556	54281	57005	59729	62453	65176	67899	70623	73346	43504
1595	.76068	78792	81514	84236	86958	89681	92403	95125	97846	00567	43472
1596	203.03288	06009	08731	11451	14172	16892	19613	22333	25053	27772	43456
1597	.30491	33211	35931	38649	41368	44086	46805	49524	52242	54959	43424
1598	.57677	60395	63113	65829	68547	71264	73981	76697	79414	82131	43392
1599	.84846	87563	90278	92994	95709	98424	01139	03854	06569	09284	43376

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Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
1600	204.11998	14713	17426	20141	22854	25568	28282	30994	33707	36421	43344
1601	.39133	41846	44558	47271	49983	52694	55406	58118	60828	63540	43312
1602	.66251	68962	71673	74383	77094	79804	82514	85224	87933	90643	43296
1603	.93352	96062	98771	01479	04187	06896	09605	12313	15021	17728	43264
1604	205.20436	23144	25851	28558	31265	33972	36678	39385	42092	44797	43232
1605	.47504	50209	52915	55621	58326	61031	63736	66441	69145	71849	43200
1606	.74554	77258	79962	82666	85369	88073	90776	93479	96182	98885	43184
1607	206.01587	04290	06992	09694	12396	15098	17799	20501	23203	25904	43152
1608	.28604	31305	34006	36706	39406	42106	44806	47506	50206	52905	43120
1609	.55604	58304	61003	63701	66399	69098	71796	74494	77193	79890	43104
1610	.82587	85285	87982	90679	93376	96073	98769	01466	04162	06858	43071
1611	207.09554	12249	14945	17641	20335	23031	25726	28421	31115	33809	43039
1612	.36504	39198	41892	44585	47279	49973	52665	55358	58052	60744	43023
1613	.63437	66129	68822	71513	74205	76897	79588	82279	84971	87662	42991
1614	.90353	93044	95734	98425	01115	03805	06495	09185	11874	14564	42959
1615	208.17253	19942	22631	25319	28008	30696	33384	36073	38761	41448	42942
1616	.44136	45823	49511	52197	54884	57571	60257	62944	65630	68316	42910
1617	.71002	73687	76373	79058	81744	84428	87114	89798	92483	95167	42878
1618	.97852	00536	03219	05904	08587	11271	13954	16636	19319	22003	42862
1619	209.24685	27367	30049	32732	35414	38095	40777	43458	46139	48821	42829
1620	.51502	54182	56863	59543	62224	64904	67584	70264	72943	75622	42797
1621	.78302	80981	83659	86338	89017	91695	94374	97052	99729	02407	42781
1622	210.05085	07763	10439	13117	15793	18471	21147	23824	26499	29176	42748
1623	.31852	34527	37204	39878	42554	45229	47904	50579	53254	55928	42716
1624	.58603	61276	63951	66624	69298	71972	74645	77318	79991	82664	42699
1625	.85336	88009	90682	93354	96025	98697	01369	04041	06712	09383	42667
1626	211.12054	14725	17396	20066	22736	25407	28077	30746	33416	36086	42651
1627	.38755	41425	44094	46763	49431	52099	54768	57436	60104	62773	42618
1628	.65440	68107	70775	73442	76109	78776	81443	84109	86776	89443	42586
1629	.92108	94774	97441	00106	02772	05436	08102	10766	13432	16096	42569
1630	212.18761	21425	24088	26753	29416	32081	34744	37407	40071	42733	42537
1631	.45396	48058	50722	53384	56046	58708	61369	64032	66693	69354	42504
1632	.72015	74676	77337	79998	82658	85319	87979	90639	93299	95959	42488
1633	.98618	01278	03937	06596	09255	11914	14573	17231	19889	22547	42455
1634	213.25205	27863	30521	33178	35835	38493	41149	43806	46463	49119	42422
1635	.51776	54432	57088	59744	62399	65055	67711	70365	73021	75675	42406
1636	.78329	80984	83638	86293	88947	91601	94255	96908	99561	02215	42373
1637	214.04866	07521	10174	12826	15479	18131	20783	23435	26086	28738	42375
1638	.31389	34041	36692	39343	41994	44645	47295	49945	52595	55245	42324
1639	.57895	60545	63195	65844	68493	71142	73791	76440	79088	81736	42291
1640	.84385	87033	89681	92328	94976	97624	00271	02918	05565	08212	42275
1641	215.10858	13505	16151	18797	21443	24088	26734	29379	32025	34671	42242
1642	.37315	39961	42605	45249	47894	50538	53182	55826	58469	61113	42226
1643	.63756	66399	69043	71685	74328	76971	79613	82255	84897	87539	42193
1644	.90182	92823	95464	98106	00747	03387	06028	08669	11309	13950	42160
1645	216.16590	19230	21870	24510	27149	29788	32428	35067	37706	40345	42143
1646	.42983	45622	48259	50898	53536	56174	58811	61448	64086	66723	42111
1647	.69359	71997	74633	77269	79906	82543	85178	87814	90449	93085	42094
1648	.95721	98356	00991	03626	06261	08895	11529	14164	16798	19432	42061
1649	217.22065	24699	27333	29966	32599	35232	37865	40497	43129	45762	42028

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Num	0	1	2	3	4	5	6	7	8	9	Lo. I 3
1650	217·48394	51026	53658	56289	58922	61553	64184	66815	69446	72077	42012
1651	·74707	77337	79968	82598	85228	87858	90487	93117	95746	98375	41979
1652	218.01004	03633	06262	08891	11518	14147	16775	19403	22031	24658	41946
1653	·27285	29913	32539	35166	37793	40419	43046	45673	48298	50925	41929
1654	·53551	56176	58802	61427	64052	66677	69302	71926	74552	77176	41896
1655	·79799	82424	85047	87672	90295	92918	95542	98165	00788	03411	41879
1656	219.06033	08656	11278	13900	16522	19144	21766	24387	27008	29629	41846
1657	·32251	34872	37493	40113	42734	45354	47974	50594	53214	55833	41830
1658	·58453	61072	63691	66310	68929	71547	74166	76784	79403	82021	41796
1659	·84638	87256	89874	92491	95108	97726	00343	02959	05576	08193	41763
1660	220.10808	13425	16041	18657	21273	23888	26503	29118	31734	34348	41747
1661	·36963	39578	42192	44806	47421	50035	52648	55262	57875	60488	41713
1662	·63102	65715	68328	70940	73553	76165	78776	81389	84002	86613	41697
1663	·89225	91836	94447	97058	99669	02281	04891	07502	10112	12722	41664
1664	221.15332	17942	20552	23162	25770	28379	30989	33598	36207	38815	41647
1665	·41424	44032	46641	49248	51856	54464	57072	59678	62286	64893	41614
1666	·67499	70106	72713	75319	77926	80532	83137	85744	88349	90955	41580
1667	·93559	96165	98771	01375	03979	06584	09188	11793	14397	17001	41564
1668	222.19605	22208	24812	27415	30018	32621	35224	37826	40429	43032	41530
1669	·45633	48236	50837	53439	56041	58643	61244	63845	66446	69046	41514
1670	·71647	74247	76848	79448	82048	84648	87247	89847	92446	95046	41480
1671	·97645	00244	02843	05442	08039	10638	13236	15834	18432	21029	41463
1672	223.23627	26225	28822	31419	34016	36613	39209	41806	44402	46998	41430
1673	·49594	52189	54785	57381	59976	62572	65167	67762	70356	72951	41413
1674	·75545	78139	80734	83327	85922	88515	91108	93702	96295	98888	41380
1675	224.01481	04074	06666	09258	11851	14443	17035	19627	22218	24810	41346
1676	·27402	29993	32584	35175	37765	40356	42946	45536	48126	50716	41329
1677	·53306	55896	58485	61075	63664	66253	68842	71431	74019	76607	41296
1678	·79196	81784	84372	86959	89547	92135	94722	97309	99896	02483	41279
1679	225.05069	07656	10243	12828	15415	18001	20586	23172	25757	28343	41246
1680	·30928	33513	36098	38683	41267	43852	46436	49020	51604	54187	41229
1681	·56772	59355	61938	64522	67104	69687	72269	74853	77435	80017	41195
1682	·82599	85181	87763	90344	92926	95507	98088	00669	03251	05831	41178
1683	226.08412	10992	13572	16153	18732	21312	23891	26471	29051	31629	41145
1684	·34208	36787	39366	41945	44523	47102	49679	52257	54835	57413	41128
1685	·59991	62568	65145	67722	70299	72876	75452	78028	80605	83181	41094
1686	·85757	88333	90908	93484	96059	98635	01209	03784	06359	08934	41077
1687	227.11508	14083	16656	19231	21804	24378	26952	29525	32098	34672	41043
1688	·37244	39817	42389	44961	47534	50106	52678	55251	57822	60394	41010
1689	·62965	65536	68107	70678	73249	75819	78390	80961	83531	86101	40993
1690	·88671	91241	93809	96379	98948	01517	04086	06655	09224	11793	40959
1691	·14361	16929	19497	22065	24633	27201	29767	32335	34902	37469	40942
1692	228.40036	42603	45169	47735	50302	52867	55434	57999	60565	63131	40908
1693	·65696	68261	70826	73391	75955	78520	81085	83648	86213	88777	40891
1694	·91341	93904	96467	99031	01594	04157	06720	09283	11845	14408	40857
1695	229.16971	19533	22094	24656	27218	29779	32341	34902	37463	40024	40840
1696	·42585	45145	47706	50266	52826	55386	57946	60506	63065	65625	40807
1697	·68184	70743	73303	75861	78419	80978	83536	86095	88653	91211	40790
1698	·93768	96326	98884	01441	03998	06555	09112	11669	14225	16782	40756
1699	230.19338	21894	24449	27006	29562	32117	34672	37227	39783	42337	40739

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Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
1700	230.44892	47447	50001	52555	55109	57663	60217	62771	65324	67878	40705
1701	·70432	72984	75537	78091	80643	83195	85747	88299	90852	93404	40688
1702	·95955	98507	01058	03609	06161	08712	11263	13814	16364	18915	40654
1703	231.21465	24015	26565	29115	31664	34214	36763	39313	41862	44411	40636
1704	·46959	49507	52056	54604	57153	59701	62248	64796	67344	69891	40602
1705	·72438	74985	77533	80079	82626	85173	87718	90265	92811	95357	40585
1706	·97903	00448	02994	05539	08084	10629	13174	15718	18264	20808	40551
1707	232.23352	25896	28441	30984	33527	36071	38615	41158	43701	46244	40534
1708	·48786	51329	53872	56414	58956	61498	64041	66582	69124	71665	40500
1709	·74206	76747	79288	81829	84369	86911	89451	91991	94532	97072	40483
1710	·99611	02151	04691	07229	09768	12308	14847	17385	19924	22463	40449
1711	233.25001	27539	30077	32615	35153	37691	40227	42765	45302	47839	40432
1712	·50376	52913	55449	57986	60522	63058	65594	68129	70665	73201	40397
1713	·75736	78272	80806	83342	85876	88411	90945	93479	96014	98548	40389
1714	234.01082	03615	06149	08683	11216	13749	16283	18815	21347	23880	40346
1715	·26413	28945	31477	34008	36541	39072	41604	44135	46666	49197	40329
1716	·51728	54259	56789	59321	61851	64381	66911	69441	71971	74500	40312
1717	·77029	79558	82088	84617	87146	89675	92203	94732	97259	99788	40277
1718	235.02316	04844	07371	09899	12426	14954	17482	20007	22535	25061	40260
1719	·27587	30114	32640	35166	37692	40218	42744	45269	47794	50319	40226
1720	·52845	55369	57894	60419	62943	65467	67992	70516	73039	75564	40208
1721	·78087	80611	83134	85657	88179	90703	93225	95748	98271	00793	40174
1722	236.03315	05836	08358	10881	13402	15923	18444	20965	23486	26007	40157
1723	·28527	31048	33568	36088	38608	41128	43648	46168	48687	51207	40122
1724	·53726	56245	58764	61283	63801	66319	68838	71356	73874	76392	40115
1725	·78909	81428	83945	86462	88979	91496	94013	96529	99046	01563	40071
1726	237.04079	06595	09111	11627	14143	16658	19174	21689	24204	26719	40053
1727	·29234	31748	34263	36777	39292	41806	44319	46833	49347	51860	40019
1728	·54374	56887	59400	61913	64426	66938	69451	71963	74475	76987	40001
1729	·79499	82011	84523	87034	89545	92056	94567	97078	99589	02099	39984
1730	238.04610	07121	09631	12141	14651	17160	19669	22179	24688	27197	39950
1731	·29707	32216	34724	37233	39741	42249	44757	47266	49774	52281	39932
1732	·54788	57296	59803	62311	64818	67324	69831	72337	74844	77350	39898
1733	·79856	82362	84868	87374	89879	92385	94889	97395	99899	02405	39880
1734	239.04909	07414	09918	12422	14926	17430	19934	22438	24941	27445	39846
1735	·29948	32451	34954	37456	39959	42462	44964	47466	49968	52470	39828
1736	·54972	57474	59975	62476	64977	67478	69979	72480	74981	77482	39794
1737	·79982	82482	84982	87482	89982	92481	94981	97480	99979	02478	39776
1738	240.04977	07476	09975	12473	14971	17469	19968	22465	24963	27461	39759
1739	·29958	32455	34953	37449	39947	42443	44939	47436	49933	52428	39724
1740	·54925	57421	59916	62412	64907	67403	69898	72393	74888	77383	39707
1741	·79877	82372	84866	87360	89854	92348	94842	97335	99828	02322	39672
1742	241.04815	07308	09800	12293	14786	17278	19770	22263	24755	27246	39654
1743	·29738	32230	34721	37213	39704	42195	44686	47176	49667	52157	39619
1744	·54648	57138	59628	62118	64607	67097	69586	72076	74565	77054	39602
1745	·79543	82032	84520	87008	89497	91985	94473	96961	99449	01936	39585
1746	242.04424	06911	09398	11885	14372	16859	19345	21832	24318	26804	39550
1747	·29290	31776	34262	36747	39233	41718	44204	46688	49174	51658	39532
1748	·54143	56627	59111	61596	64079	66564	69047	71531	74014	76497	39497
1749	·78981	81464	83947	86429	88912	91395	93877	96359	98841	01323	39480

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Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
1750	243.03805	06286	08768	11249	13731	16212	18692	21173	23654	26234	39445
1751	.28614	31095	33575	36055	38535	41014	43494	45973	48452	50931	39427
1752	.53410	55889	58367	60846	63324	65803	68281	70758	73236	75714	39410
1753	.78192	80669	83146	85623	88100	90577	93054	95530	98006	00483	39375
1754	244.02959	05435	07911	10386	12862	15337	17813	20287	22763	25237	39357
1755	.27712	30186	32661	35135	37609	40083	42557	45031	47504	49978	39322
1756	.52451	54924	57397	59870	62343	64815	67288	69760	72232	74704	39304
1757	.77176	79648	82119	84591	87062	89533	92004	94475	96946	99416	39287
1758	245.01887	04357	06828	09297	11768	14237	16707	19176	21646	24115	39252
1759	.26584	29053	31522	33990	36458	38927	41395	43863	46331	48799	39234
1760	.51267	53734	56202	58669	61136	63603	66069	68536	71003	73469	39199
1761	.75936	78402	80867	83334	85799	88265	90730	93195	95661	98125	39181
1762	246.00590	03055	05519	07984	10448	12913	15376	17840	20304	22767	39164
1763	.25231	27695	30157	32621	35084	37546	40009	42472	44934	47396	39128
1764	.49858	52320	54782	57243	59705	62166	64627	67089	69549	72010	39111
1765	.74471	76932	79392	81852	84312	86772	89232	91692	94151	96611	39075
1766	.99069	01529	03988	06447	08906	11364	13823	16281	18739	21197	39058
1767	247.23655	26113	28570	31028	33485	35942	38399	40856	43313	45769	39040
1768	.48226	50682	53138	55595	58051	60506	62962	65418	67873	70328	39005
1769	.72783	75238	77693	80147	82602	85057	87511	89965	92419	94873	38987
1770	.97326	99780	02234	04687	07140	09593	12046	14498	16951	19404	38952
1771	248.21856	24308	26760	29212	31664	34116	36567	39019	41469	43921	38934
1772	.46372	48823	51273	53724	56174	58624	61075	63524	65974	68424	38916
1773	.70874	73323	75772	78221	80670	83119	85568	88016	90465	92913	38881
1774	.95362	97809	00257	02705	05153	07600	10047	12495	14942	17389	38863
1775	149.19835	22282	24728	27175	29621	32067	34513	36959	39405	41850	38827
1776	.44296	45741	49186	51631	54076	56521	58965	61410	63854	66298	38810
1777	.68742	71186	73630	78074	78517	80960	83404	85847	88290	90732	38792
1778	.93175	95618	98060	00502	02944	05386	07828	10270	12712	15153	38756
1779	250.17594	20035	22476	24917	27358	29799	32239	34680	37120	39560	38738
1780	.42000	44440	46879	49319	51758	54197	56636	59075	61514	63953	38721
1781	.66391	68830	71268	73706	76144	78582	81020	83458	85895	88332	38685
1782	.90769	93207	95643	98080	00517	02954	05390	07826	10262	12698	38667
1783	251.15134	17570	20005	22440	24876	27311	29746	32181	34615	37050	38649
1784	.39485	41919	44353	46787	49221	51655	54088	56522	58955	61388	38614
1785	.63822	66255	68687	71120	73553	75985	78417	80849	83281	85713	38596
1786	.88145	90577	93008	95439	97871	00302	02732	05163	07594	10024	38560
1787	252.12455	14885	17315	19745	22175	24605	27034	29464	31893	34322	38542
1788	.36751	39180	41609	44037	46466	48894	51322	53750	56178	58606	38524
1789	.61034	63461	65888	68316	70743	73170	75597	78023	80450	82876	38489
1790	.85303	87729	90155	92581	95006	97432	99858	02283	04708	07133	38471
1791	253.09558	11983	14408	16832	19256	21681	24105	26529	28953	31376	38453
1792	.33800	36223	38647	41070	43493	45916	48339	50761	53184	55606	38417
1793	.58028	60451	62873	65294	67716	70138	72559	74980	77401	79822	38399
1794	.82243	84664	87085	89505	91926	94346	96766	99186	01606	04025	38381
1795	254.06445	08864	11283	13703	16122	18540	20959	23378	25797	28215	38345
1796	.30633	33051	35469	37886	40304	42722	45139	47556	49973	52390	38327
1797	.54807	57224	59640	62057	64473	66889	69305	71721	74137	76553	38309
1798	.78968	81384	83799	86214	88629	91044	93458	95873	98287	00701	38273
1799	255.03116	05530	07944	10358	12772	15185	17598	20012	22425	24837	38255

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Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
1800	255.27251	29663	32076	34488	36900	39313	41725	44136	46548	48959	38237
1801	.51371	53783	56194	58605	61016	63426	65837	68248	70658	73068	38201
1802	.75478	77888	80298	82708	85118	87527	89936	92346	94755	97164	38183
1803	.99573	01981	04389	06798	09206	11615	14023	16431	18838	21246	38147
1804	256.23653	26061	28468	30875	33282	35688	38095	40502	42908	45314	38129
1805	.47721	50126	52532	54938	57344	59749	62155	64559	66965	69369	38111
1806	.71775	74179	76584	78988	81393	83797	86201	88604	91008	93412	38093
1807	.95815	98219	00622	03025	05427	07831	10233	12636	15038	17440	38057
1808	257.19843	22245	24646	27048	29449	31851	34253	36654	39055	41456	38039
1809	.43856	46257	48658	51058	53458	55858	58258	60658	63058	65458	38021
1810	.67857	70257	72656	75055	77454	79853	82252	84651	87049	89447	37984
1811	.91845	94243	96641	99038	01436	03824	06231	08628	11025	13423	37966
1812	258.15819	18216	20613	23009	25405	27802	30198	32593	34989	37385	37948
1813	.39780	42176	44571	46966	49361	51756	54151	56546	58939	61334	37912
1814	.63728	66122	68516	70910	73304	75697	78091	80484	82877	85270	37894
1815	.87663	90056	92448	94841	97233	99625	02017	04409	06801	09193	37876
1816	259.11584	13976	16367	18758	21149	23540	25931	28322	30712	33103	37839
1817	.35493	37883	40273	42663	45053	47442	49831	52221	54609	56999	37821
1818	.59388	61776	64165	66554	68942	71331	73718	76106	78495	80882	37803
1819	.83269	85657	88045	90432	92819	95206	97593	99979	02366	04753	37767
1820	260.07138	09525	11911	14297	16683	19068	21454	23839	26224	28609	37748
1821	.30995	33379	35764	38148	40533	42918	45302	47686	50069	52454	37730
1822	.54837	57221	59604	61988	64371	66754	69137	71519	73902	76284	37695
1823	.78667	81049	83431	85813	88195	90576	92958	95339	97721	00102	37675
1824	261.02483	04864	07245	09626	12006	14387	16767	19147	21527	23907	37657
1825	.26287	28667	31046	33425	35805	38184	40563	42942	45320	47698	37621
1826	.50077	52456	54834	57212	59589	61967	64345	66723	69100	71478	37602
1827	.73855	76232	78608	80985	83362	85739	88115	90491	92867	95243	37584
1828	.97619	99995	02370	04746	07121	09496	11872	14246	16621	18996	37566
1829	262.21371	23745	26119	28493	30867	33241	35615	37988	40362	42736	37529
1830	.45109	47482	49855	52228	54601	56973	59346	61718	64090	66462	37511
1831	.68834	71206	73578	75949	78321	80692	83063	85435	87805	90176	37493
1832	.92547	94917	97288	99658	02028	04398	06768	09138	11507	13877	37456
1833	263.16247	18616	20985	23354	25722	28091	30460	32829	35197	37565	37438
1834	.39933	42301	44669	47036	49404	51772	54139	56506	58873	61240	37419
1835	.63607	65974	68340	70706	73073	75438	77805	80171	82536	84902	37401
1836	.87267	89633	91998	94363	96728	99093	01458	03823	06187	08552	37364
1837	264.10916	13279	15644	18008	20371	22735	25098	27462	29825	32187	37346
1838	.34551	36914	39276	41638	44001	46363	48725	51087	53449	55812	37327
1839	.58173	60534	62896	65257	67618	69979	72340	74701	77061	79422	37291
1840	.81782	84143	86503	88863	91222	93582	95942	98302	00661	03019	37272
1841	265.05378	07738	10096	12455	14814	17172	19531	21888	24247	26601	37254
1842	.28963	31320	33678	36035	38393	40749	43106	45464	47820	50177	37235
1843	.52534	54889	57246	59602	61958	64314	66669	69025	71381	73736	37199
1844	.76092	78447	80802	83156	85511	87866	90220	92575	94929	97283	37180
1845	.99637	01991	04345	06698	09052	11405	13758	16111	18464	20817	37162
1846	266.23169	25522	27875	30227	32579	34931	37283	39635	41987	44338	37125
1847	.46689	49041	51392	53743	56094	58445	60795	63146	65496	67847	37106
1848	.70196	72547	74897	77246	79596	81945	84295	86644	88993	91342	37088
1849	.93691	96039	98388	00737	03085	05434	07782	10129	12478	14825	37069

Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
1850	267.17173	19520	21867	24215	26562	28909	31256	33603	35949	38295	37032
1851	.40642	42988	45334	47680	50026	52372	54717	57063	59408	61753	37014
1852	.64098	66443	68788	71133	73477	75822	78166	80510	82854	85198	36995
1853	.87542	89886	92229	94573	96915	99259	01602	03945	06287	08630	36977
1854	268.10973	13315	15657	17999	20342	22684	25025	27367	29708	32050	36940
1855	.34391	36733	39074	41414	43755	46096	48436	50777	53117	55457	36921
1856	.57797	60137	62477	64816	67156	69495	71835	74174	76513	78851	36903
1857	.81190	83529	85868	88206	90544	92882	95220	97558	99896	02233	36884
1858	269.04571	06908	09245	11583	13919	16256	18593	20929	23266	25603	36847
1859	.27939	30275	32611	34947	37283	39618	41954	44289	46624	48959	36828
1860	.51294	53629	55964	58298	60633	62967	65302	67636	69969	72304	36810
1861	.74637	76971	79304	81637	83971	86304	88637	90969	93303	95635	36772
1862	.97967	00300	02632	04964	07296	09628	11959	14291	16623	18954	36755
1863	270.21285	23617	25948	28278	30609	32939	35270	37601	39931	42261	36735
1864	.44591	46921	49250	51579	53909	56238	58568	60897	63226	65555	36716
1865	.67884	70212	72541	74869	77197	79525	81853	84181	86508	88836	36679
1866	.91164	93491	95819	98146	00473	02799	05126	07453	09779	12105	36660
1867	271.14432	16758	19084	21409	23735	26061	28387	30712	33037	35362	36642
1868	.37687	40012	42337	44661	46986	49310	51634	53959	56283	58606	36623
1869	.60930	63254	65577	67901	70224	72547	74869	77193	79516	81838	36586
1870	.84161	86483	88805	91127	93449	95771	98093	00415	02736	05057	36567
1871	272.07378	09699	12021	14342	16663	18983	21304	23624	25944	28264	36548
1872	.30584	32904	35224	37544	39863	42183	44502	46821	49140	51459	36530
1873	.53777	56096	58415	60733	63052	65369	67687	70006	72324	74641	36511
1874	.76958	79276	81593	83911	86228	88544	90861	93178	95494	97811	36473
1875	273.00127	02443	04759	07075	09391	11707	14022	16338	18653	20968	36455
1876	.23283	25598	27913	30227	32542	34857	37171	39485	41799	44113	36436
1877	.46427	48741	51055	53368	55681	57995	60307	62621	64933	67246	36417
1878	.69558	71871	74184	76496	78808	81119	83432	85744	88055	90366	36379
1879	.92678	94989	97300	99611	01922	04233	06544	08854	11165	13475	36361
1880	274.15785	18095	20405	22715	25021	27334	29643	31952	34262	36571	36342
1881	.38879	41188	43497	45805	48114	50422	52730	55038	57346	59654	36323
1882	.61962	64269	66577	68884	71191	73498	75805	78112	80419	82725	36285
1883	.85032	87338	89645	91951	94256	96562	98868	01174	03479	05785	36267
1884	275.08089	10395	12699	15005	17309	19614	21918	24222	26527	28831	36248
1885	.31135	33439	35743	38047	40350	42654	44957	47260	49563	51866	36229
1886	.54168	56472	58774	61076	63378	65681	67983	70285	72587	74888	36210
1887	.77190	79491	81793	84094	86395	88696	90997	93297	95598	97898	36172
1888	276.00199	02499	04799	07099	09399	11699	13999	16298	18597	20896	36153
1889	.23196	25495	27794	30092	32391	34680	36988	39286	41584	43883	36135
1890	.46180	48478	50776	53073	55371	57668	59965	62262	64559	66856	36116
1891	.69153	71449	73746	76042	78338	80635	82931	85226	87522	89817	36078
1892	.92113	94409	96704	98999	01294	03589	05884	08178	10473	12767	36059
1893	277.15061	17355	19649	21943	24237	26531	28824	31118	33411	35704	36040
1894	.37997	40290	42583	44876	47169	49461	51753	54045	56338	58629	36021
1895	.60921	63213	65505	67796	70087	72378	74670	76961	79252	81543	36002
1896	.83833	86124	88414	90705	92995	95285	97575	99864	02154	04444	35964
1897	278.06733	09022	11312	13601	15889	18178	20467	22756	25044	27333	35945
1898	.29621	31909	34197	36485	38773	41060	43347	45635	47922	50209	35926
1899	.52496	54784	57070	59357	61643	63929	66216	68502	70788	73074	35907

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1900	278.75360	77646	79931	82217	84502	86787	89072	91357	93642	95427	35888
1901	.98212	00496	02781	05065	07349	09633	11917	14201	16484	18768	35850
1902	279.21051	23335	25617	27901	30184	32466	34749	37032	39314	41596	35831
1903	.43878	46161	48443	50725	53007	55288	57569	59851	62132	64413	35812
1904	.66694	68975	71256	73537	75817	78097	80378	82658	84938	87218	35793
1905	.89498	91777	94057	96337	98616	00895	03174	05453	07732	10011	35774
1906	280.12289	14568	16847	19125	21403	23681	25958	28236	30514	32792	35736
1907	.35069	37346	39624	41901	44178	46455	48731	51008	53284	55561	35717
1908	.57837	60113	62389	64665	66941	69216	71492	73767	76043	78318	35698
1909	.80593	82867	85143	87417	89692	91966	94241	96515	98789	01063	35679
1910	281.03337	05610	07884	10158	12431	14704	16977	19231	21523	23796	35659
1911	.26068	28341	30614	32386	35158	37430	39702	41974	44246	46517	35621
1912	.48788	51060	53331	55603	57874	60144	62415	64686	66956	69227	35602
1913	.71497	73767	76037	78307	80577	82846	85116	87386	89655	91924	35583
1914	.94193	96462	98731	00999	03269	05537	07805	10074	12342	14609	35564
1915	282.16878	19146	21413	23681	25948	28216	30483	32749	35017	37284	35545
1916	.39550	41817	44084	46349	48616	50882	53148	55414	57680	59946	35525
1917	.62211	64477	66742	69007	71272	73537	75802	78067	80331	82596	35487
1918	.84860	87124	89388	91653	93917	96180	98444	00708	02971	05234	35468
1919	283.07497	09761	12024	14286	16549	18612	21074	23336	25598	27861	35449
1920	.30123	32385	34647	36908	39169	41431	43692	45954	48215	50476	35430
1921	.52736	54997	57258	59518	61778	64038	66299	68559	70819	73078	35410
1922	.75338	77598	79857	82117	84376	86635	88894	91153	93411	95669	35378
1923	.97928	00187	02445	04703	06961	09219	11477	13735	15992	18249	35353
1924	284.20507	22764	25021	27278	29535	31792	34048	36305	38561	40817	35333
1925	.43073	45329	47585	49841	52097	54352	56607	58863	61118	63373	35314
1926	.65628	67883	70138	72392	74647	76901	79156	81409	83664	85917	35295
1927	.88171	90425	92678	94932	97185	99438	01692	03945	06197	08450	35276
1928	285.10703	12955	15208	17460	19712	21964	24216	26468	28719	30971	35237
1929	.33223	35474	37725	39976	42227	44478	46729	48979	51230	53481	35218
1930	.55731	57981	60231	62481	64731	66981	69230	71479	73729	75978	35198
1931	.78227	80476	82725	84974	87223	89471	91719	93968	96216	98464	35179
1932	286.00712	02960	05207	07455	09703	11950	14198	16445	18692	20938	35160
1933	.23185	25432	27678	29925	32171	34417	36664	38909	41155	43401	35140
1934	.45647	47892	50138	52383	54628	56873	59118	61363	63608	65852	35102
1935	.68097	70341	72585	74829	77074	79318	81561	83805	86049	88292	35082
1936	.90535	92779	95022	97265	99507	01750	03993	06235	08477	10719	35063
1937	287.12962	15204	17446	19688	21929	24171	26413	28654	30895	33136	35044
1938	.35377	37618	39859	42099	44340	46580	48821	51061	53301	55541	35024
1939	.57781	60021	62260	64499	66739	68978	71218	73457	75695	77934	35005
1940	.80173	82412	84650	86888	89126	91365	93603	95841	98078	00316	34966
1941	288.02554	04791	07028	09265	11503	13739	15976	18213	20449	22686	34947
1942	.24923	27158	29395	31631	33867	36103	38338	40578	42809	45045	34927
1943	.47280	49515	51750	53985	56219	58454	60689	62923	65157	67392	34908
1944	.69626	71860	74093	76327	78561	80794	83028	85261	87495	89727	34888
1945	.91961	94193	96426	98658	00891	03124	05356	07588	09819	12052	34869
1946	289.14284	16515	18747	20978	23209	25441	27672	29903	32134	34365	34849
1947	.36595	38826	41056	43286	45516	47746	49977	52206	54436	56666	34811
1948	.58895	61125	63354	65583	67812	70041	72269	74498	76727	78955	34791
1949	.81184	83412	85640	87868	90096	92324	94552	96779	99006	01234	34772

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1950	290.03461	05688	07915	10142	12368	14595	16822	19048	21275	23501	34752
1951	.25727	27953	30178	32404	34630	36855	39081	41306	43531	45756	34733
1952	.47981	50206	52431	54655	56879	59104	61329	63553	65776	68001	34713
1953	.70224	72448	74672	76895	79118	81342	83564	85787	88011	90233	34693
1954	.92456	94678	96901	99123	01345	03567	05789	08011	10233	12455	34654
1955	291.14676	16898	19118	21340	23561	25782	28002	30224	32444	34665	34635
1956	.36885	39105	41325	43545	45765	47985	50205	52425	54644	56863	34615
1957	.59083	61302	63521	65739	67958	70177	72396	74614	76832	79051	34596
1958	.81268	83487	85705	87922	90140	92358	94575	96792	99009	01226	34576
1959	292.03444	05660	07877	10094	12310	14527	16743	18959	21175	23392	34556
1960	.25607	27823	30038	32254	34469	36685	38899	41115	43329	45545	34537
1961	.47759	49974	52188	54403	56617	58831	61045	63259	65473	67687	34517
1962	.69900	72114	74327	76540	78753	80967	83179	85392	87605	89818	34478
1963	.92029	94242	96455	98666	00878	03091	05302	07514	09725	11937	34458
1964	293.14148	16359	18571	20782	22993	25203	27414	29625	31835	34045	34439
1965	.36255	38465	40675	42885	45095	47305	49514	51724	53933	56142	34419
1966	.58351	60560	62769	64978	67187	69395	71603	73812	76019	78228	34399
1967	.80435	82644	84852	87059	89267	91474	93681	95889	98096	00303	34380
1968	294.02509	04716	06923	09129	11336	13542	15748	17954	20160	22366	34360
1969	.24572	26777	28983	31188	33393	35599	37804	40008	42213	44418	34340
1970	.46623	48827	51031	53236	55439	57644	59848	62052	64255	66459	34301
1971	.68662	70866	73069	75272	77475	79678	81881	84084	86286	88488	34281
1972	.90691	92893	95095	97297	99499	01701	03903	06104	08306	10507	34262
1973	295.12709	14909	17112	19312	21512	23713	25914	28114	30314	32515	34242
1974	.34715	36915	39115	41315	43514	45714	47913	50113	52312	54511	34222
1975	.56710	58909	61107	63306	65505	67703	69902	72099	74298	76496	34202
1976	.78694	80892	83089	85287	87485	89682	91879	94076	96273	98470	34183
1977	296.00667	02864	05060	07256	09453	11649	13845	16041	18237	20433	34163
1978	.22629	24824	27019	29215	31410	33605	35800	37995	40190	42385	34143
1979	.44579	46774	48968	51162	53357	55552	57745	59938	62132	64325	34103
1980	.66519	68712	70906	73098	75292	77485	79677	81870	84063	86255	34084
1981	.88447	90639	92832	95024	97216	99407	01599	03791	05982	08174	34064
1982	297.10365	12556	14747	16938	19129	21319	23510	25701	27891	30081	34044
1983	.32271	34461	36651	38841	41031	43220	45409	47599	49784	51977	34024
1984	.54167	56356	58545	60733	62922	65110	67298	69487	71675	73863	34004
1985	.76051	78239	80426	82614	84802	86989	89176	91364	93551	95738	33984
1986	.97924	00111	02297	04484	06671	08857	11043	13229	15415	17601	33965
1987	298.19787	21972	24158	26343	28529	30714	32898	35084	37268	39453	33945
1988	.41638	43823	46007	48191	50375	52559	54744	56927	59111	61295	33905
1989	.63478	65662	67845	70028	72211	74394	76577	78759	80943	83125	33885
1990	.85307	87489	89672	91854	94036	96218	98399	00582	02763	04945	33865
1991	299.07126	09307	11488	13669	15850	18031	20212	22392	24573	26753	33845
1992	.28933	31114	33294	35474	37653	39833	42013	44192	46371	48551	33825
1993	.50729	52909	55088	57266	59445	61624	63803	65981	68159	70337	33805
1994	.72515	74693	76871	79049	81227	83404	85581	87758	89936	92113	33785
1995	.94290	96467	98644	00820	02997	05173	07349	09526	11702	13878	33765
1996	300.16054	18229	20405	22581	24756	26931	29106	31282	33456	35632	33745
1997	.37806	39981	42156	44330	46505	48678	50853	53027	55201	57375	33725
1998	.59548	61722	63895	66068	68242	70415	72588	74761	76934	79107	33705
1999	.81279	83452	85624	87796	89968	92141	94313	96485	98656	00828	33665

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2000	301.02999	05171	07342	09514	11685	13855	16026	18197	20368	22538	33645
2001	.24708	26879	29049	31219	33389	35559	37729	39899	42068	44238	33625
2002	.46407	48577	50746	52915	55084	57252	59421	61589	63758	65926	33605
2003	.68095	70263	72431	74599	76767	78935	81102	83269	85437	87605	33585
2004	.89772	91938	94106	96273	98439	00506	02773	04939	07105	09272	33565
2005	302.11437	13604	15769	17935	20101	22266	24432	26597	28763	30928	33545
2006	.33093	35257	37423	39587	41752	43916	46081	48245	50409	52578	33525
2007	.54737	56901	59065	61228	63392	65555	67718	69882	72045	74208	33505
2008	.76371	78534	80696	82858	85021	87184	89346	91508	93669	95832	33405
2009	.97994	00155	02317	04478	06639	08801	10962	13123	15284	17445	33465
2010	303.19606	21766	23927	26087	28248	30407	32568	34727	36887	39047	33445
2011	.41207	43367	45526	47685	49845	52004	54163	56322	58480	60639	33425
2012	.62797	64956	67114	69272	71431	73589	75747	77905	80062	82219	33385
2013	.84377	86535	88692	90849	93006	95163	97320	99477	01634	03790	33364
2014	304.05946	08103	10259	12415	14571	16727	18883	21038	23194	25349	33344
2015	.27505	29660	31815	33970	36125	38280	40435	42589	44744	46898	33324
2016	.49053	51207	53361	55515	57668	59823	61976	64129	66283	68436	33304
2017	.70589	72743	74896	77048	79202	81354	83507	85659	87812	89964	33284
2018	.92116	94268	96420	98572	00724	02875	05027	07178	09329	11481	33264
2019	305.13632	15783	17934	20085	22235	24386	26536	28687	30837	32987	33243
2020	.35137	37287	39436	41586	43736	45885	48035	50184	52333	54482	33223
2021	.56631	58780	60929	63077	65226	67375	69523	71671	73819	75967	33203
2022	.78115	80263	82411	84558	86707	88853	91000	93147	95295	97441	33138
2023	.99588	01735	03882	06028	08175	10321	12467	14613	16759	18905	33162
2024	306.21051	23196	25342	27487	29633	31778	33923	36068	38213	40358	33142
2025	.42503	44647	46792	48936	51081	53225	55368	57513	59656	61801	33122
2026	.63944	66087	68231	70374	72517	74661	76803	78947	81089	83232	33102
2027	.85375	87517	89659	91802	93944	96086	98228	00370	02512	04654	33061
2028	307.06795	08937	11078	13219	15360	17501	19642	21783	23924	26064	33041
2029	.28205	30345	32485	34625	36766	38905	41045	43185	45325	47464	33021
2030	.49604	51743	53882	56021	58160	60299	62438	64577	66715	68854	33000
2031	.70992	73131	75268	77407	79545	81683	83820	85958	88096	90233	32980
2032	.92370	94508	96645	98782	00918	03055	05192	07328	09465	11602	32960
2033	308.13738	15874	18010	20146	22282	24417	26553	28688	30824	32959	32939
2034	.35095	37229	39365	41499	43635	45769	47904	50039	52173	54307	32919
2035	.56441	58575	60709	62843	64977	67111	69244	71377	73511	75644	32899
2036	.77777	79910	82043	84176	86308	88441	90574	92706	94839	96971	32878
2037	.99103	01235	03367	05498	07630	09762	11893	14025	16156	18287	32858
2038	309.20418	22549	24679	26810	28941	31072	33202	35332	37462	39593	32837
2039	.41723	43852	45982	48112	50242	52371	54500	56629	58758	60888	32817
2040	.63017	65145	67274	69403	71531	73659	75788	77916	80045	82173	32797
2041	.84300	86428	88556	90684	92811	94938	97066	99193	01319	03447	32776
2042	310.05574	07701	09827	11954	14080	16207	18333	20458	22585	24711	32756
2043	.26836	28962	31088	33214	35339	37464	39589	41714	43839	45964	32735
2044	.48089	50214	52338	54463	56587	58711	60836	62959	65084	67207	32715
2045	.69331	71455	73578	75702	77825	79948	82072	84195	86317	88440	32694
2046	.90563	92685	94808	96930	99053	01175	03297	05419	07542	09663	32674
2047	311.11784	13906	16027	18148	20269	22391	24512	26633	28754	30875	32654
2048	.32995	35116	37236	39357	41477	43597	45717	47837	49957	52076	32633
2049	.54196	56315	58435	60554	62673	64792	66911	69030	71148	73268	32592

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2050	311.75386	77505	79623	81741	83859	85977	88095	90213	92331	94449	32572
2051	.96566	98683	00801	02918	05035	07152	09269	11387	13503	15619	32551
2052	312.17736	19852	21968	24085	26201	28317	30432	32548	34664	36779	32531
2053	.38895	41010	43125	45241	47355	49471	51585	53700	55814	57929	32510
2054	.60043	62158	64272	66386	68500	70614	72728	74842	76955	79069	32489
2055	.81182	83295	85409	87522	89635	91748	93860	95973	98086	00198	32469
2056	313.02311	04423	06535	08647	10759	12871	14983	17094	19206	21317	32448
2057	.23429	25540	27651	29762	31873	33984	36095	38205	40316	42426	32428
2058	.44537	46647	48757	50867	52977	55087	57196	59306	61415	63525	32407
2059	.65634	67743	69852	71961	74070	76179	78288	80396	82505	84613	32387
2060	.86722	88830	90938	93046	95154	97261	99369	01477	03584	05691	32366
2061	314.07799	09906	12013	14120	16227	18333	20440	22547	24653	26759	32345
2062	.28866	30972	33078	35184	37290	39395	41501	43606	45712	47817	32325
2063	.49922	52027	54132	56237	58342	60447	62551	64656	66760	68865	32304
2064	.70969	73073	75177	77281	79385	81488	83592	85695	87799	89902	32283
2065	.92005	94108	96212	98315	00417	02519	04622	06725	08827	10929	32263
2066	315.13032	15134	17236	19338	21439	23541	25643	27744	29845	31947	32242
2067	.34047	36148	38249	40350	42451	44552	46652	48753	50853	52953	32221
2068	.55053	57153	59253	61353	63453	65553	67652	69751	71851	73949	32201
2069	.76049	78148	80247	82346	84444	86543	88642	90739	92838	94936	32180
2070	.97035	99133	01230	03328	05426	07523	09621	11718	13816	15913	32159
2071	316.18009	20107	22204	24301	26397	28494	30590	32686	34783	36879	32139
2072	.38975	41071	43167	45263	47358	49454	51549	53645	55740	57835	32118
2073	.59930	62025	64120	66215	68309	70404	72498	74593	76687	78781	32097
2074	.80875	82969	85063	87157	89250	91344	93437	95531	97624	99717	32076
2075	317.01810	03903	05996	08088	10181	12274	14366	16458	18551	20643	32056
2076	.22735	24827	26918	29010	31102	33194	35285	37376	39468	41558	32035
2077	.43649	45741	47831	49922	52013	54103	56194	58284	60374	62464	32014
2078	.64554	66644	68734	70824	72913	75003	77092	79182	81271	83359	31993
2079	.85449	87538	89626	91715	93804	95892	97981	00069	02157	04245	31973
2080	318.06334	08421	10509	12597	14685	16772	18859	20947	23034	25121	31952
2081	.27208	29295	31382	33468	35555	37642	39728	41814	43900	45987	31931
2082	.48073	50158	52244	54329	56415	58501	60586	62672	64757	66842	31910
2083	.68927	71012	73096	75181	77266	79350	81435	83519	85603	87687	31889
2084	.89771	91855	93939	96023	98106	00189	02273	04356	06439	08523	31868
2085	319.10606	12688	14772	16854	18937	21019	23102	25184	27265	29348	31848
2086	.31430	33512	35594	37676	39757	41839	43920	46002	48083	50164	31827
2087	.52245	54326	56406	58487	60568	62648	64728	66809	68889	70969	31806
2088	.73049	75129	77209	79288	81368	83448	85527	87606	89686	91765	31785
2089	.93844	95923	98002	00080	02159	04238	06316	08394	10472	12551	31764
2090	320.14628	16707	18784	20862	22939	25017	27095	29172	31249	33326	31743
2091	.35403	37480	39557	41634	43710	45787	47863	49939	52016	54092	31722
2092	.56168	58244	60319	62395	64471	66545	68622	70697	72773	74848	31701
2093	.76923	78997	81073	83147	85222	87297	89371	91445	93519	95594	31680
2094	.97667	99742	01815	03889	05963	08036	10109	12183	14257	16329	31659
2095	321.18403	20476	22548	24621	26694	28767	30839	32911	34984	37056	31638
2096	.39128	41199	43272	45343	47415	49487	51558	53629	55701	57772	31618
2097	.59843	61914	63985	66056	68126	70197	72267	74338	76408	78478	31597
2098	.80548	82618	84688	86758	88827	90897	92967	95036	97105	99175	31576
2099	322.01244	03313	05382	07451	09519	11588	13656	15725	17793	19861	31555

Chiliades Centum Logarithmorum.

Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
2100	322.21929	23997	26065	28133	30201	32269	34336	36404	38471	40538	31534
2101	·42605	44672	46793	48806	50873	52939	55006	57072	59138	61205	31513
2102	·63271	65337	67403	69469	71535	73600	75666	77731	79797	81862	31492
2103	·83927	85992	88057	90122	92187	94252	96316	98381	00445	02509	31470
2104	323.04574	06637	08702	10765	12829	14893	16956	19020	21084	23147	31449
2105	·25210	27273	29336	31399	33462	35525	37587	39649	41712	43774	31428
2106	·45836	47898	49961	52023	54085	56146	58208	60269	62331	64392	31407
2107	·66453	68515	70576	72637	74697	76758	78819	80879	82940	85000	31386
2108	·87061	89121	91181	93241	95301	97361	99420	01479	03539	05598	31365
2109	234.07658	09717	11776	13835	15894	17953	20012	22070	24128	26187	31344
2110	·28245	30304	32362	34419	36478	38536	40593	42651	44708	46766	31323
2111	·48823	50881	52937	54994	57052	59109	61165	63222	65279	67335	31302
2112	·69392	71447	73504	75559	77616	79672	81727	83783	85838	87894	31281
2113	·89949	92005	94060	96115	98170	00225	02280	04335	06389	08444	31260
2114	325.10498	12553	14607	16661	18715	20769	22823	24877	26930	28984	31238
2115	·31037	33092	35144	37197	39250	41303	43356	45408	47461	49514	31217
2116	·51566	53618	55671	57723	59775	61827	63879	65931	67983	70034	31196
2117	·72086	74137	76189	78239	80291	82342	84393	86444	88494	90545	31175
2118	·92595	94646	96696	98746	00797	02847	04897	06946	08996	11046	31154
2119	326.13096	15145	17195	19244	21293	23342	25391	27439	29488	31537	31132
2120	·33586	35635	37683	39731	41779	43827	45876	47924	49971	52019	31132
2121	·54067	56114	58162	60209	62256	64304	66351	68398	70445	72491	31111
2122	·74538	76585	78631	80677	82724	84769	86816	88862	90908	92954	31090
2123	·94999	97045	99091	01136	03181	05227	07272	09317	11362	13406	31069
2124	327.15451	17496	19540	21585	23629	25674	27717	29762	31806	33849	31048
2125	·35893	37937	39980	42024	44067	46118	48154	50197	52240	54283	31026
2126	·56326	58368	60411	62454	64496	66538	68581	70623	72665	74707	31005
2127	·76749	78791	80832	82874	84915	86957	88998	91039	93080	95121	30984
2128	·97162	99203	01244	03285	05325	07365	09405	11446	13486	15526	30963
2129	328.17566	19606	21646	23685	25725	27764	29804	31843	33882	35921	30941
2130	·37960	39999	42038	44077	46115	48154	50192	52231	54268	56307	30920
2131	·58345	60383	62421	64458	66496	68534	70571	72609	74646	76683	30899
2132	·78720	80757	82794	84831	86867	88904	90940	92977	95013	97049	30877
2133	·99085	01122	03158	05193	07229	09265	11300	13336	15371	17405	30856
2134	329.19442	21477	23512	25546	27581	29616	31651	33685	35719	37754	30835
2135	·39788	41822	43856	45890	47924	49958	51991	54025	56058	58092	30813
2136	·60125	62158	64191	66224	68257	70289	72322	74355	76388	78419	30792
2137	·80452	82484	84517	86549	88581	90612	92644	94676	96707	98738	30770
2138	330.00770	02801	04833	06864	08895	10925	12956	14987	17018	19048	30749
2139	·21078	23108	25139	27169	29199	31229	33259	35288	37318	39348	30728
2140	·41377	43407	45436	47465	49494	51523	53552	55581	57609	59638	30706
2141	·61667	63695	65723	67752	69779	71808	73836	75864	77891	79919	30685
2142	·81946	83974	86002	88028	90056	92083	94110	96137	98164	00190	30685
2143	331.02217	04244	06270	08296	10323	12348	14375	16401	18426	20452	30663
2144	·22478	24504	26529	28555	30579	32605	34630	36655	38680	40705	30642
2145	·42729	44754	46778	48803	50827	52852	54876	56900	58924	60948	30621
2146	·62972	64995	67019	69043	71066	73089	75113	77136	79158	81182	30599
2147	·83204	85227	87249	89273	91295	93317	95339	97362	99384	01406	30578
2148	332.03427	05449	07471	09493	11514	13536	15557	17578	19599	21621	30556
2149	·23642	25662	27683	29704	31724	33745	35765	37786	39806	41826	30535

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2150	332.43846	45866	47886	49905	51925	53945	55964	57984	60003	62022	30513
2151	.64041	66060	68079	70097	72116	74135	76154	78172	80190	82209	30492
2152	.84227	86245	88263	90284	92298	94316	96334	98351	00368	02386	30470
2153	333.04403	06420	08437	10454	12471	14487	16504	18521	20537	22554	30449
2154	.24569	26586	28602	30618	32634	34649	36665	38681	40696	42712	30427
2155	.44727	46743	48758	50773	52788	54803	56817	58832	60847	62861	30405
2156	.64876	66889	68904	70918	72932	74946	76960	78974	80987	83001	30384
2157	.85015	87028	89041	91054	93067	95080	97093	99106	01118	03131	30362
2158	334.05144	07156	09169	11181	13193	15205	17217	19229	21241	23253	30341
2159	.25264	27276	29287	31298	33309	35321	37332	39343	41354	43364	30341
2160	.45375	47386	49396	51407	53417	55427	57437	59447	61457	63467	30319
2161	.65476	67486	69496	71505	73515	75524	77533	79542	81551	83560	30297
2162	.85569	87577	89586	91595	93603	95612	97619	99628	01636	03644	30276
2163	335.05652	07659	09667	11675	13683	15689	17697	19704	21712	23718	30254
2164	.25726	27733	29739	31746	33753	35759	37765	39772	41778	43784	30233
2165	.45790	47796	49802	51808	53813	55818	57824	59829	61835	63840	30211
2166	.65845	67850	69855	71859	73865	75869	77874	79878	81883	83887	30189
2167	.85891	87895	89899	91903	93907	95911	97914	99917	01921	03925	30168
2168	336.05927	07931	09934	11937	13939	15943	17945	19948	21950	23953	30146
2169	.25955	27957	29959	31962	33964	35965	37967	39969	41970	43972	30124
2170	.45973	47975	49976	51977	53978	55979	57979	59981	61981	63982	30102
2171	.65982	67983	69983	71983	73983	75983	77983	79983	81983	83983	30081
2172	.85982	87982	89981	91980	93979	95979	97978	99976	01975	03974	30081
2173	337.05973	07971	09969	11968	13966	15964	17963	19961	21958	23956	30059
2174	.25954	27952	29949	31947	33944	35941	37938	39935	41932	43929	30037
2175	.45926	47923	49919	51916	53912	55908	57905	59901	61897	63893	30016
2176	.65889	67885	69881	71876	73871	75867	77862	79857	81853	83848	29994
2177	.85843	87837	89833	91827	93822	95816	97811	99805	01799	03793	29972
2178	338.05788	07782	09775	11769	13763	15756	17749	19743	21736	23729	29950
2179	.25723	27716	29709	31702	33695	35687	37679	39672	41665	43657	29928
2180	.45649	47641	49634	51625	53617	55609	57601	59592	61584	63575	29907
2181	.65567	67557	69549	71539	73531	75522	77512	79503	81494	83484	29885
2182	.85475	87465	89455	91445	93435	95425	97415	99405	01395	03384	29863
2183	339.05373	07363	09352	11341	13331	15319	17309	19297	21286	23275	29841
2184	.25263	27252	29240	31229	33216	35205	37193	39181	41168	43156	29841
2185	.45144	47132	49119	51107	53094	55081	57068	59055	61042	63029	29819
2186	.65016	67002	68989	70975	72962	74948	76934	78920	80907	82892	29797
2187	.84878	86864	88849	90835	92821	94806	96791	98776	00762	02747	29776
2188	340.04732	06716	08701	10686	12671	14655	16639	18624	20608	22592	29754
2189	.24576	26560	28544	30527	32511	34494	36487	38462	40445	42428	29732
2190	.44411	46395	48377	50360	52343	54326	56308	58291	60273	62255	29710
2191	.64237	66219	68202	70184	72166	74148	76129	78111	80092	82074	29688
2192	.84055	86036	88017	89998	91979	93960	95941	97922	99902	01883	29666
2193	341.03863	05843	07824	09804	11784	13764	15744	17724	19703	21683	29644
2194	.23662	25642	27621	29600	31579	33558	35537	37516	39495	41474	29622
2195	.43452	45431	47409	49387	51366	53344	55322	57300	59278	61256	29621
2196	.63234	65211	67188	69166	71144	73121	75098	77075	79052	81028	29600
2197	.83006	84982	86959	88935	90912	92888	94865	96841	98817	00793	29578
2198	342.02768	04745	06720	08696	10672	12647	14622	16597	18573	20548	29556
2199	.22523	24498	26473	28447	30422	32396	34371	36345	38319	40294	29534

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2200	341.42268	44242	46216	48189	50164	52137	54111	56084	58057	60031	29512
2201	.62004	63977	65950	67923	69896	71869	73842	75814	77787	79759	29490
2202	.81731	83704	85676	87648	89619	91592	93563	95535	97507	99478	29461
2203	342.01449	03421	05392	07363	09335	11305	13276	15247	17218	19188	29446
2204	.21159	23129	25099	27070	29040	31010	32980	34950	36920	38889	29424
2205	.40859	42829	44798	46767	48737	50706	52675	54644	56613	58582	29424
2206	.60551	62519	64488	66457	68425	70393	72361	74329	76298	78265	29402
2207	.80233	82201	84168	86136	88104	90071	92039	94006	95973	97939	29380
2208	.99907	01874	03841	05807	07774	09740	11707	13673	15639	17605	29358
2209	344.19572	21538	23503	25469	27435	29401	31366	33332	35297	37262	29336
2210	.39227	41192	43157	45122	47087	49052	51017	52981	54945	56909	29314
2211	.58874	60838	62803	64767	66731	68694	70658	72622	74585	76548	29292
2212	.78512	80475	82438	84402	86365	88328	90291	92254	94216	96178	29269
2213	.98141	00104	02066	04028	05991	07953	09915	11877	13838	15800	29247
2214	345.17762	19723	21685	23646	25607	27568	29529	31491	33451	35412	29247
2215	.37373	39334	41294	43255	45215	47175	49136	51096	53056	55016	29225
2216	.56976	58935	60895	62855	64814	66774	68733	70692	72651	74610	29203
2217	.76569	78528	80487	82446	84404	86363	88321	90279	92238	94196	29181
2218	.96154	98112	00070	02028	03986	05943	07901	09858	11816	13773	29159
2219	346.15730	17687	19644	21601	23558	25515	27472	29428	31385	33341	29136
2220	.35297	37254	39209	41166	43122	45077	47033	48989	50945	52900	29114
2221	.54856	56811	58766	60722	62677	64632	66586	68542	70496	72451	29092
2222	.74405	76359	78314	80268	82223	84176	86131	88085	90038	91993	29092
2223	.93946	95899	97853	99807	01760	03713	05667	07619	09573	11525	29070
2224	347.13478	15431	17384	19336	21288	23241	25193	27145	29098	31049	29049
2225	.33002	34953	36905	38857	40808	42759	44711	46663	48614	50565	29025
2226	.52516	54467	56418	58368	60319	62269	64220	66171	68121	70072	29003
2227	.72022	73972	75922	77872	79822	81771	83721	85670	87619	89569	28981
2228	.91518	93468	95417	97366	99315	01264	03213	05161	07109	09058	28958
2229	348.11007	12955	14903	16852	18799	20747	22695	24643	26591	28537	28936
2230	.30486	32434	34381	36328	38276	40223	42169	44117	46064	48010	28936
2231	.49957	51904	53850	55797	57743	59689	61635	63581	65527	67473	28914
2232	.69419	71365	73310	75256	77201	79147	81092	83037	84982	86927	28891
2233	.88872	90817	92762	94707	96651	98596	00540	02484	04428	06373	28869
2234	349.08317	10261	12205	14149	16092	18036	19979	21923	23866	25809	28847
2235	.27753	29696	31638	33582	35525	37467	39410	41353	43295	45238	28824
2236	.47179	49122	51064	53006	54948	56890	58832	60774	62715	64657	28802
2237	.66598	68539	70481	72422	74363	76304	78245	80186	82127	84067	28780
2238	.86008	87948	89889	91829	93769	95709	97649	99589	01529	03469	28780
2239	350.05409	07349	09289	11228	13167	15106	17047	18985	20924	22863	28757
2240	.24802	26741	28679	30618	32556	34495	36433	38371	40309	42247	28735
2241	.44186	46124	48061	49999	51936	53874	55812	57749	59686	61624	28712
2242	.63561	65498	67435	69372	71308	73245	75182	77118	79055	80991	28790
2243	.82927	84864	86799	88736	90672	92607	94543	96478	98414	00349	28668
2244	351.02285	04221	06156	08091	10026	11961	13896	15831	17765	19699	28645
2245	.21635	23569	25503	27437	29372	31306	33239	35174	37107	39042	28645
2246	.40975	42908	44842	46776	48709	50642	52575	54509	56442	58374	28623
2247	.60307	62239	64173	66105	68037	69970	71902	73835	75766	77698	28600
2248	.79631	81563	83494	85426	87357	89289	91221	93152	95083	97014	28578
2249	.98945	00877	02807	04738	06669	08599	10530	12461	14391	16322	28555

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2250	352.18252	20182	22112	24042	25972	27902	29832	31761	33691	35620	28533
2251	.37549	39478	41408	43337	45266	47195	49124	51053	52981	54910	28510
2252	.56838	58767	60695	62624	64552	66479	68408	70336	72264	74192	28510
2253	.76119	78047	79974	81902	83829	85756	87683	89610	91537	93464	28488
2254	.95391	97318	99245	01171	03098	05024	06950	08876	10803	12728	28465
2255	353.14655	16581	18506	20432	22358	24283	26209	28134	30059	31984	28443
2256	.33909	35835	37759	39684	41609	43534	45458	47383	49307	51232	28420
2257	.53156	55080	57004	58928	60852	62776	64699	66623	68547	70470	28397
2258	.72394	74317	76240	78163	80087	82009	83932	85855	87778	89701	28375
2259	.91623	93545	95468	97390	99312	01235	03156	05079	07000	08922	28375
2260	354.10844	12765	14687	16609	18529	20451	22372	24293	26214	28135	28352
2261	.30055	31977	33897	35818	37739	39659	41579	43499	45419	47340	28330
2262	.49260	51179	53099	55019	56939	58859	60778	62698	64617	66536	28307
2263	.68455	70374	72293	74212	76131	78049	79969	81887	83805	85724	28284
2264	.87642	89560	91479	93396	95315	97233	99150	01068	02986	04903	28262
2265	355.06821	08738	10655	12573	14489	16406	18324	20240	22157	24074	28239
2266	.25991	27907	29824	31739	33656	35572	37488	39404	41320	43236	28239
2267	.45152	47068	48983	50899	52814	54729	56645	58560	60475	62390	28216
2268	.64305	66219	68135	70049	71964	73878	75793	77707	79621	81536	28194
2269	.83449	85364	87277	89191	91105	93019	94932	96846	98759	00672	28171
2270	356.02586	04499	06412	08325	10238	12151	14063	15976	17889	19801	28148
2271	.21713	23626	25538	27450	29362	31274	33186	35098	37009	38921	28126
2272	.40833	42744	44656	46567	48478	50389	52300	54211	56122	58033	28126
2273	.59944	61854	63765	65675	67586	69496	71406	73316	75226	77136	28103
2274	.79046	80956	82866	84775	86685	88594	90503	92413	94322	96231	28080
2275	.98140	00049	01958	03866	00775	07684	09593	11501	13409	15318	28057
2276	357.17226	19134	21042	22949	24858	26765	28673	30581	32488	34396	28035
2277	.36303	38210	40118	42025	43932	45839	47745	49652	51558	53465	28012
2278	.55372	57278	59185	61091	62997	64903	66809	68715	70621	72527	28012
2279	.74433	76338	78244	80149	82054	83959	85865	87769	89675	91579	27989
2280	.93485	95389	97294	99199	01103	03008	04912	06816	08720	10625	27966
2281	358.12529	14432	16336	18240	20144	22047	23951	25854	27758	29661	27943
2282	.31564	33467	35370	37273	39176	41079	42981	44884	46786	48688	27921
2283	.50591	52493	54396	56298	58199	60102	62003	63905	65807	67708	27898
2284	.69609	71511	73413	75314	77215	79115	81017	82918	84819	86719	27898
2285	.88620	90521	92422	94322	96222	98123	00023	01923	03823	05723	27875
2286	359.07623	09522	11422	13322	15221	17121	19019	20919	22818	24717	27852
2287	.26616	28515	30414	32313	34212	36110	38009	39907	41806	43704	27829
2288	.45602	47500	49398	51296	53194	55092	56989	58887	60784	62682	27806
2289	.64570	66477	68374	70274	72168	74065	75962	77858	79755	81652	27883
2290	.83548	85445	87341	89237	91134	93029	94926	96822	98717	00613	27783
2291	360.02509	04405	06300	08196	10091	11986	13881	15776	17672	19566	27760
2292	.21451	23356	25250	27145	29039	30934	32829	34723	36617	38511	27737
2293	.40405	42299	44193	46087	47981	49874	51768	53661	55555	57448	27715
2294	.59341	61234	63128	65021	66913	68806	70699	72592	74484	76377	27692
2295	.78269	80161	82054	83946	85838	87729	89622	91513	93405	95297	27669
2296	361.97188	99079	00971	02863	04754	06645	08536	10427	12318	14209	27669
2297	.16099	17990	19881	21771	23662	25552	27442	29332	31223	33113	27664
2298	.35002	36892	38782	40672	42561	44451	46340	48229	50119	52008	27621
2299	.53897	55786	57675	59564	61453	63341	65229	67119	69007	70895	27600

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2300	361.72784	74672	76559	78448	80336	82224	84112	85999	87887	89774	27577
2301	.91662	93549	95437	97324	99211	01098	02985	04872	06759	08645	27554
2302	362.10532	12418	14305	16191	18078	19964	21850	23736	25622	27508	27554
2303	.29394	31279	33165	35051	36936	38822	40708	42592	44477	46362	27531
2304	.48247	50132	52017	53902	55787	57671	59556	61440	63325	65209	27508
2305	.67093	68977	70861	72745	74629	76513	78396	80279	82163	84047	27485
2306	.85930	87814	89697	91579	93463	95346	97229	99112	00994	02877	27461
2307	363.04759	06642	08524	10407	12289	14171	16053	17935	19817	21699	27461
2308	.23580	25462	27344	29225	31107	32988	34869	36750	38631	40512	27438
2309	.42393	44274	46155	48036	49916	51797	53678	55557	57438	59318	27415
2310	.61198	63078	64958	66838	68718	70597	72477	74356	76236	78115	27392
2311	.79995	81874	83753	85632	87511	89389	91269	93147	95026	96905	27369
2312	.98783	00661	02539	04418	06296	08174	10052	11930	13808	15686	27346
2313	364.17563	19441	21318	23196	25073	26950	28828	30705	32582	34459	27346
2314	.36335	38212	40089	41966	43842	45719	47595	49471	51347	53223	27323
2315	.55099	56976	58851	60727	62603	64479	66354	68229	70105	71980	27300
2316	.73856	75731	77606	79481	81356	83230	85105	86979	88854	90729	27276
2317	.92603	94478	96352	98226	00100	01974	03848	05722	07596	09469	27253
2318	365.11343	13218	15090	16964	18837	20710	22583	24456	26329	28202	27253
2319	.30075	31946	33820	35693	37565	39438	41310	43182	45054	46926	27230
2320	.48798	50670	52542	54414	56286	58157	60029	61900	63772	65643	27207
2321	.67514	69385	71256	73127	74998	76869	78739	80612	82481	84351	27184
2322	.86222	88092	89962	91832	93702	95572	97442	99312	01182	03051	27160
2323	366.04921	06790	08659	10529	12399	14268	16138	18006	19875	21744	27160
2324	.23612	25481	27349	29218	31087	32955	34823	36692	38559	40427	27137
2325	.42296	44164	46031	47899	49767	51634	53502	55369	57238	59104	27114
2326	.60971	62838	64705	66572	68439	70306	72172	74039	75905	77772	27091
2327	.79638	81505	83371	85237	87103	88969	90835	92701	94566	96432	27067
2328	.98298	00163	02028	03894	05759	07624	09489	11354	13219	15084	27067
2329	367.16949	18814	20678	22543	24407	26271	28136	29999	31864	33728	27044
2330	.35592	37456	39319	41184	43047	44911	46774	48638	50501	52364	27021
2331	.54227	56090	57953	59816	61679	63542	65405	67267	69129	70992	26997
2332	.72855	74717	76579	78441	80303	82165	84027	85889	87751	89612	26974
2333	.91474	93335	95197	97058	98919	00781	02642	04503	06364	08224	26974
2334	368.10085	11946	13806	15667	17527	19388	21248	23108	24968	26829	26951
2335	.28689	30548	32408	34268	36128	37987	39847	41706	43565	45425	26927
2336	.47284	49143	51002	52861	54719	56579	58437	60296	62154	64013	26904
2337	.65871	67729	69588	71446	73304	75162	77019	78878	80735	82593	26881
2338	.84451	86308	88167	90023	91880	93737	95594	97452	99309	01165	26881
2339	369.03022	04879	06736	08592	10449	12305	14161	16018	17874	19729	26857
2340	.21586	23442	25298	27153	29009	30865	32720	34576	36431	38286	26834
2341	.40141	41997	43852	45707	47561	49416	51271	53126	54980	56835	26810
2342	.58689	60543	62398	64252	66106	67959	69814	71668	73522	75375	26787
2343	.77229	79082	80936	82789	84643	86496	88349	90202	92055	93908	26787
2344	.95761	97613	99466	01319	03171	05024	06876	08728	10581	12433	26764
2345	370.14285	16137	17989	19840	21692	23544	25395	27247	29098	30949	26740
2346	.32801	34652	36503	38354	40205	42056	43907	45757	47608	49459	26717
2347	.51209	53159	55009	56859	58710	60560	62410	64260	66109	67959	26693
2348	.69809	71658	73508	75358	77207	78956	80906	82755	84604	86453	26693
2349	.88302	90150	91999	93848	95696	97545	99393	01242	03089	04938	26670

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2350	371.06786	08634	10482	12330	14178	16025	17873	19721	21568	23416	26646
2351	.25263	27110	28957	30804	32651	34498	36345	38192	40039	41885	26623
2352	.43732	45578	47425	49271	51117	52963	54809	56655	58501	60347	26623
2353	.62193	64038	65884	67729	69575	71420	73266	75111	76956	78801	26599
2354	.80646	82491	84336	86180	88025	89869	91714	93558	95403	97247	26576
2355	.99091	00935	02779	04623	06467	08311	10155	11998	13842	15685	26552
2356	372.17529	19372	21215	23058	24901	26744	28581	30430	32273	34116	26528
2357	.35958	37801	39643	41486	43328	45170	47012	48854	50696	52538	26528
2358	.54380	56222	58064	59905	61747	63588	65429	67271	69112	70953	26505
2359	.72794	74635	76476	78317	80158	81998	83839	85679	87519	89360	26481
2360	.91200	93040	94881	96721	98561	00400	02240	04080	05919	07759	26458
2361	373.09599	11438	13277	15117	16956	18795	20634	22473	24312	26151	26458
2362	.27989	29828	31667	33505	35343	37182	39020	40858	42696	44534	26434
2363	.46372	48210	50048	51886	53723	55561	57398	59236	61073	62910	26410
2364	.64747	66584	68421	70258	72095	73932	75769	77605	79442	81278	26387
2365	.83115	84951	86787	88623	90459	92295	94131	95967	97803	99638	26363
2366	374.01474	03309	05145	06980	08816	10651	12486	14321	16156	17991	26363
2367	.19826	21661	23495	25329	27164	28999	30833	32667	34502	36336	26339
2368	.38169	40004	41838	43672	45505	47339	49172	51006	52839	54673	26316
2369	.56506	58339	60172	62005	63838	65671	67504	69337	71169	73002	26292
2370	.74835	76667	78499	80332	82164	83996	85828	87659	89492	91324	26292
2371	.93155	94987	96819	98650	00482	02313	04144	05975	07806	09638	26268
2372	375.11468	13299	15130	16961	18792	20622	22453	24284	26113	27944	26245
2373	.29774	31604	33434	35264	37094	38924	40753	42583	44413	46242	26221
2374	.48071	49901	51730	53559	55388	57217	59046	60875	62704	64533	26197
2375	.66361	68189	70018	71847	73675	75503	77332	79159	80988	82816	26197
2376	.84644	86471	88299	90127	91954	93782	95609	97437	99264	01091	26173
2377	376.02918	04745	06572	08399	10226	12053	13879	15706	17532	19359	26150
2378	.21185	23011	24837	26664	28489	30316	32141	33967	35793	37619	26126
2379	.39444	41269	43095	44920	46746	48571	50396	52221	54046	55871	26126
2380	.57696	59520	61346	63169	64994	66819	68943	70467	72291	74116	26102
2381	.75939	77764	79587	81411	83235	85059	86882	88707	90529	92352	26078
2382	.94176	95999	97822	99645	01468	03291	05114	06936	08759	10581	26054
2383	377.12404	14227	16049	17871	19694	21516	23338	25159	26982	28803	26054
2384	.30625	32447	34268	36089	37911	39733	41554	43375	45196	47017	26030
2385	.48838	50659	52480	54301	56121	57942	59763	61583	63403	65224	26007
2386	.67044	68864	70684	72504	74324	76144	77964	79783	81603	83422	25983
2387	.85243	87061	88881	90699	92519	94338	96157	97976	99795	01614	25959
2388	378.03432	05251	07069	08888	10705	12525	14343	16161	17979	19797	25959
2389	.21615	23433	25251	27068	28886	30703	32521	34338	36156	37973	25935
2390	.39790	41607	43424	45241	47058	48875	50692	52508	54325	56141	25911
2391	.57958	59774	61590	63406	65222	67039	68854	70670	72486	74302	25887
2392	.76118	77933	79748	81564	83379	85195	87009	88825	90640	92455	25887
2393	.94269	96085	97899	99714	01529	03343	05158	06972	08786	10600	25863
2394	379.12415	14229	16043	17857	19670	21484	23298	25111	26925	28738	25839
2395	.30552	32365	34178	35991	37805	39618	41430	43243	45056	46869	26815
2396	.48681	50494	52306	54119	55931	57743	59556	61368	63179	64992	26815
2397	.66803	68615	70427	72239	74050	75862	77673	79484	81296	83107	26791
2398	.84918	86729	88539	90351	92162	93972	95783	97594	99404	01214	26767
2399	380.03025	04835	06645	08455	10265	12075	13885	15695	17505	19315	26743

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2400	380.21124	22934	24743	26553	28362	30171	31980	33798	35589	37407	25743
2401	·39216	41025	42833	44642	46451	48259	50067	51876	53684	55492	25719
2402	·57300	59108	60916	62724	64532	66339	68147	69955	71762	73569	25695
2403	·75377	77184	78992	80799	82606	84413	86219	88026	89833	91639	25671
2404	·93446	95252	97059	98865	00671	02478	04284	06091	07896	09702	25671
2405	381.11508	13313	15119	16925	18731	20536	22341	24146	25952	27757	25647
2406	·29562	31367	33172	34977	36781	38586	40391	42195	44000	45804	25623
2407	·47609	49413	51217	53021	54825	56629	58433	60237	62041	63844	25699
2408	·65648	67451	69255	71058	72861	74665	76468	78271	80074	81877	25599
2409	·83680	85482	87285	89088	90890	92693	94495	96297	98100	99902	25577
2410	382.01704	03506	05308	07110	08911	10713	12515	14316	16118	17919	25551
2411	·19721	21522	23323	25124	26925	28726	30527	32328	34129	35929	25527
2412	·37730	39530	41331	43131	44931	46732	48532	50332	52132	53932	25527
2413	·55732	57531	59331	61131	62930	64730	66529	68329	70128	71927	25503
2414	·73727	75525	77324	79123	80922	82720	84519	86318	88116	89915	25478
2415	·91713	93511	95310	97108	98906	00704	02502	04299	06097	07895	25454
2416	383.09692	11490	13288	15085	16882	18679	20477	22274	24071	25868	25454
2417	·27665	29461	31259	33055	34851	36648	38448	40241	42037	43833	25430
2418	·45629	47425	49221	51017	52813	54609	56404	58200	59995	61791	25406
2419	·63589	65382	67177	68972	70767	72562	74357	76152	77947	79741	25382
2420	·81536	83331	85125	86920	88714	90508	92302	94097	95891	97685	25382
2421	·99478	01272	03066	04860	06653	08447	10240	12034	13827	15620	25358
2422	384.17413	19206	20999	22792	24585	26378	28171	29963	31756	33548	25333
2423	·35341	37133	38926	40718	42510	44302	46094	47886	49678	51469	25309
2424	·53261	55053	56844	58636	60427	62218	64010	65801	67592	69383	25309
2425	·71174	72965	74755	76546	78337	80127	81918	83708	85499	87289	25285
2426	·89079	90869	92659	94449	96239	98029	99819	01609	03398	05188	25261
2427	385.06977	08767	10556	12345	14134	15923	17712	19502	21290	23079	25261
2428	·24868	26656	28445	30233	32022	33810	35599	37387	39175	40963	25236
2429	·42751	44539	46327	48115	49902	51690	53477	55265	57052	58840	25212
2430	·60627	62414	64201	65988	67775	69562	71349	73136	74922	76709	25188
2431	·78495	80282	82068	83855	85641	87427	89213	90999	92785	94571	25188
2432	·96357	98142	99928	01713	03499	05284	07070	08855	10640	12425	25163
2433	386.14210	15995	17780	19565	21350	23135	24919	26704	28488	30273	25139
2434	·32057	33841	35625	37409	39193	40977	42761	44545	46329	48112	25115
2435	·49896	51680	53463	55246	57030	58813	60596	62379	64162	65945	25115
2436	·67728	69511	71293	73076	74859	76641	78423	80206	81988	83770	25090
2437	·85552	87334	89116	90898	92680	94462	96244	98025	99807	01588	25066
2438	387.03370	05151	06932	08713	10494	12275	14056	15837	17618	19399	25042
2439	·21180	22960	24741	26521	28301	30082	31862	33642	35422	37202	25042
2440	·38982	40762	42542	44321	46101	47881	49660	51440	53219	54998	25017
2441	·56777	58557	60336	62115	63894	65672	67451	69230	71008	72787	24993
2442	·74565	76344	78122	79901	81679	83457	85235	87013	88791	90568	24993
2443	·92346	94124	95901	97679	99456	01234	03011	04788	06566	08343	24968
2444	388.10120	11897	13673	15450	17227	19004	20780	22557	24333	26110	24944
2445	·27886	29662	31438	33214	34990	36766	38542	40318	42094	43869	24919
2446	·45645	47420	49196	50971	52746	54522	56297	58072	59847	61622	24919
2447	·63396	65171	66946	68721	70495	72270	74044	75818	77593	79367	24895
2448	·81141	82915	84689	86463	88238	90010	91784	93558	95331	97105	24870
2449	·98878	00651	02425	04198	05971	07744	09517	11290	13063	14835	24846

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Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
2450	389.16608	18381	20153	21926	23698	25470	27242	29015	30787	32559	24846
2451	.34331	36103	37874	39646	41418	43189	44961	46732	48504	50275	24821
2452	.52046	53817	55588	57359	59130	60901	62672	64443	66214	67984	24797
2453	.69754	71525	73295	75065	76836	78606	80376	82146	83916	85686	24797
2454	.87455	89225	90995	92764	94534	96303	98072	99842	01611	03380	24772
2455	390.05149	06918	08687	10456	12225	13993	15762	17531	19299	21067	24748
2456	.22836	24604	26372	28140	29908	31676	33444	35212	36980	38748	24723
2457	.40515	42283	44050	45818	47585	49352	51119	52886	54653	56420	24723
2458	.58187	59954	61721	63488	65254	67021	68787	70554	72320	74086	24699
2459	.75852	77618	79385	81150	82916	84682	86448	88214	89979	91745	24674
2460	.93511	95276	97041	98806	00571	02336	04101	05866	07631	09396	24674
2461	391.11161	12926	14691	16455	18219	19984	21748	23512	25276	27040	24649
2462	.28804	30568	32332	34096	35860	37623	39397	41151	42914	44677	24625
2463	.46441	48204	49967	51730	53493	55256	57019	58782	60545	62307	24600
2464	.64070	65832	67595	69357	71120	72882	74644	76406	78168	79930	24600
2465	.81692	83454	85215	86977	88739	90500	92262	94023	95784	97546	24575
2466	.99307	01068	02829	04590	06351	08111	09872	11633	13393	15154	24551
2467	392.16914	18675	20435	22195	23956	25716	27476	29236	30995	32755	24551
2468	.34515	36275	38034	39794	41554	43313	45072	46831	48590	50349	24526
2469	.52108	53867	55626	57385	59144	60903	62661	64420	66178	67937	24501
2470	.69695	71453	73211	74969	76727	78485	80243	82001	83759	85516	24477
2471	.87274	89032	90789	92546	94304	96061	97818	99575	01332	03089	24477
2472	398.04846	06603	08360	10116	11873	13630	15386	17142	18899	20655	24452
2473	.22411	24167	25923	27679	49435	31191	32947	34702	36458	38214	24427
2474	.39969	41724	43480	45235	46990	48745	50500	52255	54010	55765	24427
2475	.57520	59275	61029	62784	64538	66293	68047	69801	71555	73309	24402
2476	.75064	76818	78572	80326	82079	83833	85587	87340	89094	90847	24378
2477	.92601	94354	96107	97860	99613	01366	03119	04872	06625	08378	24353
2478	394.10130	11883	13635	15388	17140	18892	20645	22397	24149	25901	24353
2479	.27653	29405	31156	32908	34659	36411	38163	39914	41666	43417	24328
2480	.45168	46919	48670	50421	52172	53923	55674	57425	59175	60926	24303
2481	.62676	64427	66177	67928	69678	71428	73178	74928	76678	78428	24303
2482	.80178	81927	83677	85427	87176	88926	90675	92424	94174	95923	24278
2483	.97672	99421	01169	02919	04668	06416	08165	09914	11662	13411	24254
2484	395.15159	16907	18656	20404	22152	23900	25648	27396	29144	30852	24229
2485	.32639	34387	36134	37882	39629	41377	43124	44871	46618	48365	24229
2486	.50112	51859	53806	55353	57099	58846	60593	62339	64086	65832	24204
2487	.67579	69325	71071	72817	74563	76309	78055	79801	81546	83292	24179
2488	.85038	86783	88529	90274	92019	93765	95509	97255	98999	00745	24179
2489	396.02489	04234	05979	07724	09469	11213	12958	14702	16446	18191	24154
2490	.19935	21679	23423	25167	26911	28655	30398	32142	33886	35629	24192
2491	.37373	39116	40859	42603	44346	46089	47832	49575	51318	53061	24192
2492	.54804	56547	58289	60032	61774	63517	65259	67001	68744	70486	24104
2493	.72228	73969	79712	77454	79196	80937	82678	84421	86162	87904	24079
2494	.89645	91386	93127	94869	96609	98351	00092	01833	03574	05314	24054
2495	397.07055	08796	10536	12277	14017	15757	17498	19238	20978	22718	24054
2496	.24458	26198	27938	29678	31417	33157	34897	36636	38376	40115	24029
2497	.41854	43593	45333	47072	48811	50549	52289	54027	55766	57505	24004
2498	.59243	60982	62720	64459	66197	67935	69674	71412	73149	74888	24004
2499	.76626	78363	80101	81839	83577	85314	87052	88789	90526	92264	23979

Num	0	1	2	3	4	5	6	7	8	9	Lo,D 3
2500	397·94001	95738	97475	99212	00949	02686	04423	06159	07896	09633	23954
2501	398·11369	13106	14842	16578	18315	20051	21787	23523	25259	26995	23954
2502	·28731	30466	32202	33938	35673	37409	39144	40879	42615	44349	23929
2503	·46085	47820	49555	51290	53025	54759	56494	58229	59964	61698	23904
2504	·63432	65167	66901	68635	70369	72104	73838	75572	77305	79039	23904
2505	·80773	82507	84240	85974	87707	89441	91174	92907	94640	96374	23879
2506	·98107	99839	01573	03305	05038	06771	08504	10236	11969	13701	23854
2507	399·15433	17166	18898	20630	22362	24094	25826	27558	29289	31022	23829
2508	·32753	34485	36216	37948	39679	41411	43142	44872	46604	48335	23829
2509	·50066	51797	53527	55258	56989	58720	60450	62181	63911	65641	23804
2510	·67372	69102	70832	72562	74292	76022	77752	79482	81212	82941	23779
2511	·84671	86400	88130	89859	91589	93318	95047	96776	98505	00234	23779
2512	400·01963	03692	05421	07149	08878	10607	12335	14063	15792	17520	23754
2513	·19248	20977	22705	24433	26161	27888	29616	31344	33072	34799	23729
2514	·36527	38254	39982	41709	43436	45164	46891	48618	50345	52072	23729
2515	·53798	55525	57252	58979	60705	62432	64158	65884	67611	69337	23704
2516	·71063	72789	74515	76241	77967	79693	81419	83144	84870	86596	23678
2517	·88321	90046	91772	93497	95222	96947	98672	00397	02122	03847	23678
2518	401·05572	07297	09021	10746	12471	14195	15919	17644	19368	21092	23653
2519	·22816	24540	26264	27988	29712	31436	33159	34883	36607	38330	23628
2520	·40054	41777	43501	45224	46947	48670	50393	52116	53839	55562	23628
2521	·57285	59007	60729	62452	64175	65897	67619	69342	71064	72786	23603
2522	·74508	76230	77952	79674	81396	83117	84839	86560	88282	90004	23578
2523	·91725	93446	95168	96889	98610	00331	02052	03773	05494	07214	23552
2524	402·08935	10656	12376	14097	15817	17538	19258	20978	22698	24418	23552
2525	·26138	27858	29578	31298	33017	34737	36457	38177	39896	41616	23527
2526	·43335	45054	46773	48492	50211	51930	53649	55368	57087	58806	23502
2527	·60524	62242	63961	65679	67398	69116	70835	72553	74271	75989	23502
2528	·77707	79425	81143	82860	84578	86293	88013	89731	91448	93166	23477
2529	·94882	96600	98317	00034	01751	03468	05185	06902	08618	10336	23451
2530	403·12052	13769	15485	17202	18918	20634	22350	24067	25783	27499	23451
2531	·29215	30930	32646	34362	36078	37793	39509	41224	42939	44655	23426
2532	·46370	48085	49800	51516	53230	54945	56660	58375	60089	61804	23401
2533	·63519	65233	66948	68662	70377	72091	73805	75519	77233	78947	23401
2534	·80651	82375	84089	85802	87516	89229	90943	92656	94369	96083	23375
2535	·97796	99509	01223	02936	04649	06361	08074	09787	11498	13212	23350
2536	404·14925	16637	18349	20062	21774	23487	25198	26911	28623	30335	23350
2537	·32047	33759	35470	37182	38894	40605	42317	44028	45739	47450	23325
2538	·49162	50873	52584	54295	56006	57717	59428	61138	62849	64559	23299
2539	·66270	67981	69691	71401	73112	74822	76532	78242	79952	81662	23299
2540	·83372	85081	86791	88501	90210	91919	93629	95339	97048	98757	23274
2541	405·00467	02176	03885	05594	07303	09011	10720	12429	14138	15846	23248
2542	·17555	19263	20971	22679	24388	26096	27804	29513	31220	32928	23248
2543	·34636	36344	38051	39759	41467	43174	44882	46589	48296	50004	23233
2544	·51711	53418	55125	56832	58539	60246	61952	63659	65366	67072	23197
2545	·68779	70485	72191	73898	75604	77310	79016	80722	82428	84134	23197
2546	·85839	87546	89251	90957	92663	94368	96073	97779	99484	01189	23172
2547	406·02895	04599	06305	08009	09714	11419	13124	14829	16533	18238	23146
2548	·19942	21647	23351	25055	26759	28464	30168	31872	33576	35279	23146
2549	·36984	38687	40391	42095	43798	45502	47205	48908	50612	52315	23121

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2550	406.54018	55721	57424	59127	60829	62533	64236	65938	67641	69343	23095
2551	.71046	72748	74451	76153	77855	79557	81259	82961	84663	86365	23095
2552	.88067	89769	91470	93172	94874	96575	98276	99978	01679	03380	23070
2553	407.05081	06783	08484	10185	11885	13586	15287	16988	18688	20389	23044
2554	.22089	23789	25490	27190	28891	30591	32291	33991	35691	37391	23044
2555	.39090	40790	42489	44189	45889	47589	49288	50987	52687	54386	23019
2556	.56085	57784	59483	61182	62881	64579	66278	67977	69676	71374	22992
2557	.73073	74771	76469	78168	79866	81564	83262	84960	86658	88356	22992
2558	.90054	91752	93449	95147	96845	98542	00239	01937	03634	05331	22968
2559	408.07029	08726	10423	12119	13817	15513	17210	18907	20603	22300	22942
2560	.23997	25693	27389	29086	30782	32478	34174	35870	37566	39262	22942
2561	.40958	42654	44349	46045	47741	49436	51131	52827	54522	56217	22916
2562	.57913	59607	61303	62998	64693	66387	68082	69777	71472	73166	22891
2563	.74861	76555	78249	79944	81638	83332	85026	86720	88414	90108	22891
2564	.91802	93496	95189	96883	98577	00270	01964	03657	05351	07044	22860
2565	409.08737	10340	12123	13816	15509	17202	18895	20587	22280	23973	22840
2566	.25665	27358	29050	30743	32435	34127	35819	37511	39203	40895	22840
2567	.42587	44279	45970	47662	49354	51045	52737	54428	56119	57811	22814
2568	.59502	61193	62884	64575	66266	67957	69648	71339	73029	74719	22788
2569	.76410	78101	79791	81482	83172	84862	86552	88242	89932	91622	22788
2570	.93312	95002	96692	98382	00071	01761	03450	05139	06829	08518	22762
2571	410.10208	11897	13586	15275	16964	18653	20342	22030	23719	25408	22737
2572	.27096	28785	30473	32162	33850	35538	37227	38915	40603	42291	22737
2573	.43978	45666	47354	49042	54729	52417	54105	55792	57479	59167	22711
2574	.60854	62541	64229	65916	67603	69289	70976	72663	74350	76037	22685
2575	.77723	79409	81096	82783	84469	86155	87842	89528	91214	92899	22685
2576	.94586	96272	97958	99643	01329	03015	04700	06386	08071	09757	22659
2577	411.11442	13127	14812	16497	18182	19867	21552	23237	24922	26607	22634
2578	.28291	29976	31660	33345	35029	36714	38398	40082	41766	43450	22634
2579	.45134	46818	48502	50186	51869	53553	55237	56920	58604	60287	22608
2580	.61971	63654	65337	67020	68703	70386	72069	73752	75435	77118	22582
2581	.78800	80483	82166	83848	85531	87213	88895	90577	92259	93942	22582
2582	.95624	97306	98988	00669	02351	04033	05715	07396	09078	10759	22556
2583	412.12441	14122	15803	17484	19166	20847	22528	24209	25889	27570	22556
2584	.29251	30932	32612	34293	35973	37654	39334	41014	42695	44375	22530
2585	.46055	47735	49415	51095	52774	54454	56134	57814	59493	61173	22505
2586	.62852	64531	66211	67889	69569	71248	72927	74606	76285	77964	22505
2587	.79643	81322	83000	84679	86357	88036	89714	91393	93071	94749	22479
2588	.96427	98105	99783	01461	03139	04817	06495	08172	09849	11528	22453
2589	413.13205	14882	16559	18237	19914	21592	23269	24946	26623	28299	22453
2590	.29976	31653	33329	35007	36683	38359	40036	41713	43389	45065	22427
2591	.46741	48417	50094	51769	53445	55121	56797	58473	60149	61824	22401
2592	.63499	65175	66851	68526	70201	71877	73552	75227	76902	78577	22401
2593	.80252	81927	83602	85276	86951	88625	90299	91974	93649	95323	22375
2594	.96997	98671	00346	02019	03694	05368	07041	08715	10389	12063	22349
2595	414.13736	15409	17083	18757	20430	22103	23777	25449	27123	28796	22349
2596	.30469	32142	33815	35487	37160	38833	40505	42178	43850	45523	22323
2597	.47195	48867	50539	52212	53884	55556	57228	58899	60571	62243	22297
2598	.63915	65586	67258	68929	70601	72272	73943	75615	77286	78957	22297
2599	.80628	82299	83969	85641	87311	88982	90653	92323	93994	95664	22271

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2600	414·97335	99005	00675	02346	04016	05686	07356	09026	10696	12365	22271
2601	415·14035	15705	17373	19044	20714	22383	24052	25722	27391	29060	22245
2602	·30729	32398	34067	35736	37405	39074	40743	42411	44079	45748	22219
2603	·47417	49085	50754	52422	54090	55758	57426	59094	60762	62430	22219
2604	·64098	65766	67433	69101	70769	72436	74104	75771	77438	79106	22193
2605	·80773	82439	84107	85774	87441	89108	90775	92441	94108	95775	22167
2606	·97441	99108	00774	02440	04107	05773	07439	09105	10771	12437	22167
2607	416·14103	15769	17435	19100	20766	22432	24097	25763	27428	29093	22141
2608	·30759	32424	34089	35754	37419	39084	40749	42414	44079	45743	22115
2609	·47408	49072	50737	52401	54066	55730	57394	59059	60723	62387	22115
2610	·64051	65715	67379	69042	70706	72369	74033	75697	77360	79024	22089
2611	·80687	82350	84014	85677	87339	89003	90666	92329	93992	95655	22063
2612	·97317	98979	00643	02305	03968	05629	07292	08955	10617	12279	22063
2613	417·13941	15603	17265	18927	20589	22250	23912	25574	27235	28897	22036
2614	·30558	32219	33881	35542	37203	38865	40526	42187	43848	45509	22036
2615	·47169	48830	50491	52151	53812	55472	57133	58793	60454	62114	20010
2616	·63774	65434	67094	68754	70414	72074	73734	75393	77053	78713	21984
2617	·80372	82032	83691	85351	87009	88669	90328	91987	93646	95305	21984
2618	·96964	98623	00282	01941	03599	05258	06916	08575	10233	11892	21958
2619	418·13549	15208	16866	18524	20182	21840	23498	25156	26814	28471	21932
2620	·30129	31787	33444	35102	36759	38416	40074	41731	43388	45045	21932
2621	·46702	48359	50016	51673	53329	54986	56643	58299	59956	61612	21906
2622	·63269	64925	66581	68238	69894	71549	73206	74862	76516	78173	21906
2623	·79829	81485	83140	84796	86451	88107	89762	91418	93073	94728	21879
2624	·96383	98038	99693	01348	03003	04658	06312	07967	09622	11276	21853
2625	419·12931	14585	16239	17894	19548	21202	22856	24510	26164	27818	21853
2626	·29472	31126	32779	34433	36087	37741	39394	41047	42701	44354	21827
2627	·46007	47660	49314	50967	52619	54272	55925	57578	59231	60883	21801
2628	·62536	64189	65841	67494	69146	70798	72450	74103	75755	77406	21801
2629	·79059	80711	82362	84014	85666	87318	88969	90622	92272	93924	21774
2630	·95575	97226	98877	00529	02179	03831	05482	07132	08783	10434	21748
2631	420·12085	13735	15386	17037	18687	20337	21988	23638	25288	26938	21748
2632	·28588	30239	31888	33538	35188	36838	38488	40137	41787	43436	21722
2633	·45086	46735	48385	50034	51683	53332	54981	56630	58279	59928	21722
2634	·61577	63226	64875	66523	68172	69820	71469	73117	74765	76414	21695
2635	·78062	79710	81358	83006	84654	86302	87949	89598	91245	92893	21669
2636	·94541	96188	97836	99483	01130	02778	04425	06072	07719	09366	21669
2637	421·11013	12659	14307	15953	17600	19247	20893	22539	24186	25833	21642
2638	·27479	29125	30772	32418	34064	35709	37356	39002	40648	42293	21616
2639	·43939	45585	47230	48876	50521	52167	53812	55457	57102	58748	21616
2640	·60393	62038	63683	65328	66972	68617	70262	71907	73551	75196	21590
2641	·76840	78485	80129	81773	83417	85062	86706	88349	89994	91637	21590
2642	·93281	94925	96569	98212	99856	01499	03143	04786	06429	08073	21563
2643	422·09716	11359	13003	14646	16289	17931	19574	21217	22859	24502	21537
2644	·26145	27788	29430	31073	32715	34357	35999	37642	39284	40926	21537
2645	·42568	44209	45851	47493	49135	50777	52418	54059	55701	57343	21510
2646	·58984	60625	62267	63908	65549	67189	68831	70472	72113	73753	21484
2647	·75394	77035	78675	80316	81956	83597	85237	86878	88518	90158	21484
2648	·91798	93438	95078	96718	98358	99998	01637	03277	04917	06556	21457
2649	423·08196	09835	11475	13114	14753	16392	18032	19671	21309	22949	21457

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D 3
2650	423.24587	26226	27865	29504	31142	32781	34419	36058	37696	39335	21431
2651	.40973	42611	44249	45887	47525	49163	50801	52439	54077	55714	21404
2652	.57352	58989	60627	62265	63902	65539	67177	68814	7c451	72081	21404
2653	.73725	75362	76999	78636	80272	81909	83546	85182	86819	88455	21378
2654	.90092	91728	93364	95001	96637	98273	99909	01541	03181	04817	21378
2655	424.06453	08088	09724	11359	12995	14631	16266	17901	19537	21172	15351
2656	.22807	24442	26077	27712	29347	30982	32616	34252	35886	37521	15325
2657	.39155	40789	42424	44059	45693	47327	48962	50596	52229	53864	15325
2658	.55498	57132	58765	60399	62033	63666	65300	66934	68567	70200	15298
2659	.71834	73467	75100	76733	78366	79999	81632	83265	84898	86531	15272
2660	.88164	89796	91428	93061	94694	96326	97959	99591	01223	02855	21272
2661	425.04487	06119	07751	09383	11015	12647	14279	15910	17542	19174	21245
2662	.20805	22437	24068	25699	27330	28962	30593	32224	33855	35486	21245
2663	.37117	38747	40378	42009	43639	45270	46901	48531	50161	51792	21218
2664	.53422	55052	56682	58312	59943	61572	63202	64832	66462	68092	21192
2665	.69721	71351	72980	74609	76239	77869	79498	81127	82756	84385	21192
2666	.86015	87643	89272	90901	92530	94159	95787	97416	99045	00673	21165
2667	426.02302	03929	05558	07187	08815	10443	12071	13699	15327	16955	21165
2668	.18582	20210	21838	23466	25093	26720	28348	29976	31603	33230	21138
2669	.34857	36485	38112	39739	41366	42993	44619	46246	47872	49499	21112
2670	.51126	52753	54379	56006	57632	59258	60884	62511	64137	65762	21112
2671	.67389	69015	70640	72266	73892	75518	77143	78769	80395	82020	21085
2672	.83645	85271	86896	88521	90146	91771	93396	95021	96646	98271	21085
2673	.99896	01521	03145	04769	06394	08019	09643	11268	12892	14516	21058
2674	427.16140	17764	19388	21012	22636	24260	25884	27508	29131	30755	21031
2675	.32379	34002	35626	37249	38872	40496	42119	43742	45365	46988	21031
2676	.48611	50234	51857	53479	55102	56725	58347	59969	61592	63215	21005
2677	.64837	66459	68082	69704	71326	72948	74569	76192	77814	79436	20978
2678	.81057	82679	84301	85922	87544	89165	90786	92408	94029	95650	20978
2679	.97271	98892	00513	02134	03755	05376	06997	08618	10238	11859	20951
2680	428.13479	15099	16720	18341	19961	21581	23201	24821	26441	28061	20951
2681	.29681	31301	32921	34541	36161	37780	39399	41019	42639	44258	20924
2682	.45877	47497	49116	50735	52354	53973	55592	57210	58829	60449	20897
2683	.62067	63686	65305	66923	68543	70159	71778	73397	75015	76633	20897
2684	.78251	79869	81487	83105	84723	86341	87959	89576	91194	92811	20871
2685	.94429	96046	97664	99281	00898	02516	04133	05749	07367	08984	20871
2686	429.10601	12218	13834	15451	17068	18684	20301	21918	23534	25150	20844
2687	.26767	28383	29999	31615	33231	34847	36463	38079	39695	41311	20817
2688	.42926	44542	46158	47773	49389	51004	52619	54235	55849	57465	20817
2689	.59080	60695	62310	63925	65540	67155	68769	70384	71999	73613	20790
2690	.75228	76842	78457	80071	81685	83299	84914	86528	88142	89756	20790
2691	.91369	92984	94597	96211	97825	99438	01052	02665	04279	05892	20763
2692	430.07506	09119	10732	12345	13958	15571	17184	18797	20409	22023	20736
2693	.23635	25248	26861	28473	30086	31698	33310	34923	36535	38147	20736
2694	.39759	41371	42983	44595	46207	47819	49431	51042	52654	54265	20709
2695	.55877	57488	59099	60711	62322	63934	65545	67156	68767	70378	20709
2696	.71989	73599	75210	76821	78432	80042	81653	83264	84874	86884	20682
2697	.88095	89705	91315	92925	94535	96145	97755	99365	00975	02585	20655
2698	431.04195	05804	07414	09023	10633	12242	13852	15461	17070	18679	20655
2699	.20288	21898	23506	25115	26724	28333	29942	31551	33159	34768	20628

Chiliades centum Logarithmorum.

Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
2700	431·36376	37985	39593	41202	42810	44418	46026	47634	49242	50850	20628
2701	·52458	54066	55674	57282	58889	60497	62105	63712	65319	66927	20601
2702	·68534	70142	71749	73356	74963	76570	78177	79784	81391	82998	20574
2703	·84605	86211	87818	89424	91031	92637	94244	95850	97456	99063	20574
2704	432·00669	02275	03881	05487	07093	08699	10304	11910	13516	15121	20547
2705	·16727	18332	19938	21543	23149	24754	26359	27964	29569	31174	20547
2706	·32779	34384	35989	37594	39198	40803	42408	44012	45617	47221	20520
2707	·48826	50429	52034	53638	55242	56847	58451	60055	61658	63262	20520
2708	·64866	66469	68073	69677	71281	72884	74487	76091	77694	79297	20493
2709	·80901	82504	84107	85709	87313	88916	90518	92121	93724	95327	20466
2710	·96929	98532	00134	01737	03339	04941	06543	08146	09748	11349	20466
2711	433·12952	14554	16156	17757	19359	20961	22563	24164	25766	28366	20439
2712	·28969	30569	32171	33773	35374	36975	38575	40176	41778	43379	20439
2713	·44979	46580	48181	49781	51382	52983	54583	56183	57784	59384	20411
2714	·60984	62585	64185	65785	67385	68985	70584	72184	73784	75384	20384
2715	·76983	78583	80183	81782	83382	84981	86580	88179	89778	91378	16384
2716	·92977	94576	96174	97773	99352	00971	02569	04168	05767	07365	16357
2717	434·08964	10562	12161	13759	15357	16955	18553	20151	21749	23347	16357
2718	·24945	26543	28141	29739	31336	32934	34531	36129	37726	39323	16330
2719	·40921	42518	44115	45712	47309	48906	50503	52100	53697	55294	16303
2720	·56890	58487	60084	61680	63277	64873	66469	68066	69662	71258	16303
2721	·72854	74450	76046	77642	79238	80834	82429	84025	85621	87217	16276
2722	·88812	90408	92003	93598	95194	96789	98384	99979	01574	03169	16276
2723	435·04764	06359	07954	09549	11143	12738	14333	15927	17522	19116	16248
2724	·20710	22305	23899	25493	27087	28681	30275	31869	33463	35057	16248
2725	·36651	38244	39838	41432	43025	44619	46212	47805	49399	50992	20221
2726	·52585	54178	55771	57364	58957	60550	62143	63736	65329	66921	20194
2727	·68514	70106	71699	73291	74884	76476	78068	79660	81253	82845	20194
2728	·84437	86029	87620	89212	90804	92396	93987	95579	97171	98762	20167
2729	436·00354	01945	03536	05128	06719	08309	09901	11492	13083	14674	20167
2730	·16265	17856	19446	21037	22628	24218	25809	27399	28989	30579	20139
2731	·32170	33760	35350	36940	38531	40120	41710	43300	44890	46479	20112
2732	·48069	49659	51249	52838	54428	56017	57606	59196	60785	62374	20112
2733	·63963	65552	67141	68730	70319	71908	73497	75085	76674	78263	20085
2734	·79851	81439	83028	84616	86205	87793	89381	90969	92557	94145	20085
2735	437·95733	97321	98909	00497	02084	03672	05259	06847	08435	10022	20057
2736	·11609	13197	14784	16371	17958	19545	21132	22719	24306	25893	20057
2737	·27479	29066	30653	32239	33826	35413	36999	38586	40172	41758	20030
2738	·43344	44931	46517	48103	49689	51274	52860	54446	56032	57618	20002
2739	·59203	60789	62374	63959	65545	67130	68716	70301	71886	73471	20002
2740	·75056	76641	78226	79811	81396	82981	84565	86149	87735	89319	19975
2741	·90904	92488	94072	95657	97241	98825	00409	01993	03577	05161	19975
2742	438·06745	08329	09913	11496	13080	14664	16247	17831	19414	20997	19948
2743	·22581	24164	25747	27330	28912	30496	32079	33662	35245	36828	19920
2744	·38411	39993	41576	43159	44741	46324	47906	49488	51071	52653	1992c
2745	·54235	55817	57399	58981	60563	62145	63727	65308	66890	68472	19893
2746	·70053	71635	73216	74798	76379	77960	79542	81123	82704	84285	19893
2747	·85866	87447	89028	90609	92189	93770	95351	96931	98512	00092	19865
2748	439·01673	03253	04834	06414	07994	09574	11154	12734	14314	15894	19865
2749	·17474	19054	20634	22213	23793	25372	26952	28531	30111	31690	19838

Chiliades centum Logarithmorum.

Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
2750	439·33269	34849	36428	38007	39586	41165	42744	44323	45902	47480	19810
2751	·49059	50638	52216	53795	55373	56952	58530	60108	61687	63265	19810
2752	·64843	66421	67999	69577	71155	72733	74311	75888	77466	79044	19783
2753	·80621	82199	83776	85353	86931	88508	90085	91663	93239	94817	19783
2754	·96394	97971	99547	01124	02701	04278	05854	07431	09007	10584	19755
2755	440·12160	13737	15313	16889	18465	20042	21618	23194	24769	26345	19755
2756	·27921	29497	31073	32649	34224	35800	37375	38951	40526	42101	19728
2757	·43677	45252	46827	48402	49977	51552	53127	54702	56277	57851	19700
2758	·59426	61001	62575	64150	65724	67299	68873	70447	72022	73596	19700
2759	·75170	76744	78318	79892	81466	83040	84614	86187	87761	89335	19672
2760	·90908	92482	94055	95628	97202	98775	00348	01922	03495	05068	19672
2761	441·06641	08214	09786	11359	12932	14505	16077	17649	19223	20795	19645
2762	·22367	23939	25512	27084	28657	30229	31801	33373	34945	36516	19643
2763	·38088	39660	41232	42804	44375	45947	47518	49089	50661	52233	19617
2764	·53804	55375	56946	58517	60088	61659	63230	64801	66372	67943	19589
2765	·69514	71084	72655	74225	75796	77366	78937	80507	82077	83647	19589
2766	·85218	86788	88358	89928	91498	93067	94638	96207	97778	99346	19562
2767	442·00916	02485	04055	05624	07194	08763	10332	11901	13471	15039	19562
2768	·16609	18178	19746	21315	22884	24453	26021	27590	29159	30727	19534
2769	·32296	33864	35432	37001	38568	40137	41705	43273	44841	46409	19534
2770	·47977	49545	51112	52680	54248	55815	57383	58950	60518	62085	19506
2771	·63053	65219	66787	68354	69921	71488	73055	74622	76189	77756	19479
2772	·79323	80889	82456	84023	85589	87155	88722	90288	91855	93421	19479
2773	·94987	96553	98119	99685	01251	02817	04383	05949	07514	09080	19453
2774	443·10646	12211	13777	15342	16907	18473	20038	21603	23169	24734	19453
2775	·26299	27864	29429	30994	32558	34123	35688	37253	38817	40382	19427
2776	·41946	43511	45075	46639	48204	49768	51332	52896	54460	56024	19423
2777	·57588	59152	60716	62279	63843	65407	66970	68534	70097	71661	19395
2778	·73224	74787	76351	77914	79477	81040	82603	84166	85729	87292	19395
2779	·88855	90417	91980	93543	95105	96668	98230	99793	01355	02917	19368
2780	444·04479	06042	07604	09166	10728	12289	13852	15414	16975	18537	19340
2781	·20099	21661	23222	24784	26345	27906	29468	31029	32590	34151	19340
2782	·35713	37274	38835	40396	41957	43517	45078	46639	48199	49760	19312
2783	·51321	52881	54442	56002	57562	59123	60683	62243	63803	65363	19312
2784	·66923	68483	70043	71603	73163	74722	76282	77841	79401	80961	19284
2785	·82520	84079	85639	87198	88757	90316	91875	93434	94993	96552	19284
2786	·98111	99670	01229	02787	04346	05905	07463	09022	10580	12139	19256
2787	445·13697	15255	16813	18371	19929	21488	23046	24604	26161	27719	19228
2788	·29277	30835	32392	33949	35507	37065	38622	40179	41737	43294	19228
2789	·44851	46409	47966	49523	51079	52637	54193	55750	57307	58864	19200
2790	·60420	61977	63533	65089	66646	68203	69759	71315	72871	74428	19200
2791	·75984	77539	79096	80652	82207	83763	85319	86875	88430	89986	19173
2792	·91541	93097	94652	96208	97763	99318	00873	02429	03984	05539	19173
2793	·07094	08648	10203	11758	13312	14868	16422	17973	19531	21086	19145
2794	446·22640	24195	25749	27303	28857	30411	31965	33519	35073	36627	19145
2795	·38181	39735	41289	42842	44396	45949	47503	49057	50610	52163	19117
2796	·53717	55269	56823	58376	59929	61482	63035	64588	66141	67694	19089
2797	·69247	70799	72352	73905	75457	77009	78562	80114	81667	83219	19089
2798	·84771	86323	87875	89427	90979	92531	94083	95635	97187	98738	19061
2799	447·00289	01841	03393	04944	06496	08047	09598	11149	12701	14252	19061

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2900	462.39799	41297	42795	44292	45789	47287	48784	50282	51779	53276	17522
2901	.54773	56269	57767	59264	60761	62257	63754	65251	66748	68244	17493
2902	.69741	71237	72734	74230	75727	77223	78719	80215	81711	83208	17493
2903	.84704	86199	87696	89191	90687	92183	93679	95174	96670	98166	17464
2904	.99661	01157	02652	04147	05643	07138	08633	10128	11624	13119	17464
2905	463.14614	16109	17604	19098	20593	22088	23583	25077	26572	28067	17435
2906	.29561	31055	32549	34044	35538	37033	38527	40021	41515	43009	17435
2907	.44503	45997	47491	48984	50479	51972	53466	54959	56453	57947	17405
2908	.59440	60934	62427	63920	65414	66907	68399	69893	71386	72879	17405
2909	.74372	75865	77358	78851	80343	81836	83329	84821	86314	87806	17376
2910	.89299	90791	92284	93776	95268	96760	98253	99745	01237	02729	17376
2911	464.04221	05712	07204	08696	10188	11679	13171	14663	16154	17646	17347
2912	.19137	20628	22119	23611	25102	26593	28085	29576	31067	32558	17347
2913	.34048	35539	37030	38521	40012	41502	42993	44483	45974	47464	17318
2914	.48955	50445	51935	53426	54916	56406	57896	59386	60876	62366	17318
2915	.63856	65346	66836	68325	69815	71305	72794	74284	75773	77263	17289
2916	.78752	80241	81731	83219	84709	86198	87687	89176	90665	92154	17289
2917	.93643	95132	96620	98109	99598	01086	02575	04064	05552	07040	17260
2918	465.08529	10017	11505	12994	14482	15969	17458	18946	20434	21922	17260
2919	.23409	24897	26385	27873	29360	30848	32336	33823	35310	36798	17231
2920	.38285	39772	41259	42747	44234	45721	47208	48695	50182	51669	17231
2921	.53156	54642	56129	57616	59102	60589	62076	63562	65048	66535	17201
2922	.68021	69507	70994	72479	73966	75452	76938	78424	79909	81396	17201
2923	.82882	84367	85853	87339	88824	90309	91795	93281	94766	96252	17172
2924	.97737	99222	00707	02192	03678	05163	06648	08133	09617	11102	17172
2925	466.12587	14072	15556	17041	18526	20010	21495	22979	24464	25948	17143
2926	.27432	28916	30401	31885	33369	34853	36337	37821	39305	40788	17118
2927	.42272	43756	45239	46723	48207	49690	51174	52657	54141	55624	17118
2928	.57107	58590	60174	61557	63039	64523	66006	67489	68972	70454	17084
2929	.71937	73419	74903	76385	77868	79350	80833	82315	83797	85280	17084
2930	.86762	88244	89726	91209	92691	94173	95655	97136	98618	00100	17055
2931	467.01582	03064	04545	06027	07508	08990	10471	11953	13434	14915	17055
2932	.16397	17878	19359	20840	22321	23802	25283	26764	28245	29726	17026
2933	.31206	32687	34168	35648	37129	38609	40090	41570	43050	44531	17026
2934	.46011	47491	48971	50451	51931	53411	54891	56371	57851	59331	16996
2935	.60811	62290	63770	65249	66729	68208	69688	71167	72647	74126	16996
2936	.75605	77084	78563	80043	81522	83001	84479	85958	87437	88916	16967
2937	.90395	91873	93352	94831	96309	97788	99266	00744	02223	03701	16967
2938	468.05179	06657	08135	09614	11092	12569	14047	15525	17003	18481	16938
2939	.19959	21436	22914	24391	25869	27346	28824	30301	31779	33256	16938
2940	.34733	36210	37687	39164	40641	42118	43595	45072	46549	48026	16908
2941	.49502	50979	52456	53932	55409	56885	58362	59838	61314	62791	16908
2942	.64267	65743	67219	68695	70171	71647	73123	74599	76075	77551	16879
2943	.79026	80502	81977	83453	84929	86404	87879	89355	90830	92305	16879
2944	.93781	95256	96731	98206	99681	01156	02631	04106	05580	07055	16849
2945	469.08530	10005	11479	12954	14428	15903	17377	18851	20326	21800	16849
2946	.23274	24748	26223	27697	29171	30645	32118	33592	35066	36539	16820
2947	.38014	39487	40961	42434	43908	45381	46855	48328	49801	51275	16820
2948	.52748	54221	55694	57167	58640	60113	61586	63059	64532	66005	16790
2949	.67477	68950	70423	71895	73368	74840	76312	77785	79257	80729	16790

Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
2950	469.82202	83674	85146	86618	88089	89562	91034	92506	93977	95449	16761
2951	.96921	98393	99864	01336	02807	04279	05750	07222	08693	10164	16761
2952	470.11635	13106	14578	16049	17519	18991	20462	21932	23403	24874	16731
2953	.26345	27815	29286	30757	32227	33698	35168	36638	38109	39579	16731
2954	.41049	42519	43989	45459	46929	48399	49869	51339	52809	54279	16702
2955	.55749	57218	58688	60157	61627	63096	64566	66035	67504	68974	16702
2956	.70443	71912	73381	74850	76319	77788	79257	80726	82195	83664	16762
2957	.85132	86601	88069	89538	81007	92475	93944	95412	96880	98349	16762
2958	.99817	01285	02753	04221	05689	07157	08625	10093	11561	13029	16643
2959	271.14497	15964	17432	18899	20367	21834	23302	24769	26237	27704	16643
2960	.29171	30638	32105	33573	35039	36507	37973	39440	40907	42374	16613
2961	.43841	45307	46774	48241	49707	51174	52640	54107	55573	57039	16613
2962	.58505	59972	61438	62904	64369	65836	67302	68768	70234	71699	16583
2963	.73165	74631	76097	77562	79028	80493	81959	83424	84889	86355	16583
2964	.87819	89285	90750	92215	93680	95145	96610	98075	99540	01005	16554
2965	472.02469	03934	05399	06864	08328	09793	11257	12722	14186	15650	16554
2966	.17115	18579	20043	21507	22971	24435	25899	27363	28827	30291	16524
2967	.31755	33218	34682	36146	37609	39073	40536	41999	43463	44926	16524
2968	.46389	47853	49316	50779	52242	53705	55168	56631	58094	59557	16494
2969	.61019	62483	63945	65408	66870	68333	69795	71258	72720	74183	16494
2970	.75645	77107	78569	80032	81494	82956	84418	85879	87342	88803	16494
2971	.90265	91727	93189	94650	96112	97573	99035	00496	01958	03419	16465
2972	473.04881	06342	07803	09264	10725	12186	13647	15108	16569	18030	16465
2973	.19491	20952	22412	23873	25334	26794	28255	29715	31176	32636	16435
2974	.34096	35557	37017	38477	39937	41397	42857	44317	45777	47237	16435
2975	.48697	50157	51617	53076	54536	55995	57455	58915	60374	61833	16405
2976	.63293	64752	66211	67670	69129	70589	72048	73507	74966	76425	16405
2977	.77883	79342	80801	82259	83718	85177	86636	88094	89553	91011	16375
2978	.92469	93928	95386	96844	98302	99760	01219	02677	04135	05592	16375
2979	474.07050	08508	09966	11424	12881	14339	15797	17254	18712	20169	16345
2980	.21626	23083	24541	25998	27455	28912	30369	31826	33283	34740	16345
2981	.36197	37654	39111	40568	42024	43481	44937	46394	47851	49307	16316
2982	.50763	52220	53676	55132	56589	58045	59501	60957	62413	63869	16316
2983	.65325	66781	68237	69692	71148	72604	74059	75515	76970	78426	16386
2984	.79881	81337	82792	84247	85703	87158	88613	90068	91523	92978	16386
2985	.94436	95888	97343	98798	00252	01707	03162	04616	06071	07525	16256
2986	475.08980	10434	11889	13343	14797	16251	17706	19160	20614	22068	16256
2987	.23522	24976	26430	27883	29337	30791	32245	33698	35152	36605	16226
2988	.38059	39512	40966	42419	43872	45326	46779	48232	49685	51138	16226
2989	.52591	54044	55497	56950	58403	59855	61308	62761	64213	65666	16196
2990	.67118	68571	70024	71476	72928	74380	75832	77285	78737	80189	16196
2991	.81641	83093	84545	85997	87448	88900	90352	91804	93255	94707	16166
2992	.96158	97610	99061	00513	01964	03415	04867	06318	07769	09220	16166
2993	476.10671	12122	13573	15024	16475	17926	19377	20827	22278	23729	16136
2994	.25179	26630	28080	29531	30981	32431	33882	35332	36782	38232	16136
2995	.39682	41132	42582	44032	45483	46932	48382	49831	51281	52731	16106
2996	.54180	55630	57079	58529	59978	61428	62877	64326	65776	67225	16106
2997	.68674	70123	71572	73021	74470	75919	77368	78816	80265	81714	16076
2998	.83162	84611	86059	87508	88956	90405	91853	93301	94751	96198	16076
2999	.97646	99094	00542	01990	03483	04886	06334	07782	09230	10677	16046

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3000	477·12125	13573	15020	16468	17915	19363	20810	22257	23705	25152	16046
3001	·26599	28046	29493	30940	32387	33834	35281	36728	38175	39622	16016
3002	·41068	42515	43962	45408	46855	48301	49748	51194	52640	54086	16016
3003	·55533	56979	58425	59871	61317	62763	64209	65655	67101	68547	15986
3004	·69992	71438	72884	74329	75775	77220	78666	80111	81557	83002	15986
3005	·84447	85892	87338	88783	90228	91673	93118	94563	96008	97452	15956
3006	·98897	00342	01787	03231	04676	06120	07565	09009	10454	11898	15956
3007	878·13342	14787	16231	17675	19119	20563	22007	23452	24896	26339	15956
3008	·27783	29227	30671	32114	33558	35002	36445	37889	39332	40775	15926
3009	·42219	43662	45105	46549	47992	49435	50878	52321	53764	55207	15926
3019	·56649	58092	59535	60978	62421	63863	65306	66748	68191	69633	15896
3011	·71076	72518	73962	75402	76845	78287	79729	81171	82613	84055	15896
3012	·85497	86939	88380	89822	91264	92706	94147	95589	97030	98472	15866
3013	·99913	01355	02796	04237	05678	07119	08561	10002	11443	12884	15866
3014	479·14325	15766	17207	18647	20088	21529	22969	24410	25851	27291	15836
3015	·28732	30172	31612	33053	34493	35933	37373	38814	40254	41694	15836
3016	·43134	44574	46014	47453	48893	50333	51773	53212	54652	56092	15806
3017	·57531	58970	60409	61849	63289	64728	66167	67606	69045	70485	15806
3018	·71924	73363	74801	76240	77679	79115	80557	81998	83434	84873	15775
3019	·86311	87749	89188	90627	92065	93503	94943	96379	97818	99256	15775
3020	480·00694	02132	03570	05008	06446	07884	09322	10759	12197	13635	15745
3021	·15073	16510	17948	19385	20822	22259	23697	25134	26572	28008	15745
3022	·29446	30883	32320	33757	35194	36631	38068	39505	40941	42378	15715
3023	·43815	45251	46688	48124	49561	50997	52434	53869	55306	56743	15715
3024	·58179	59615	61051	62487	63923	65359	66795	68231	69666	71102	15685
3025	·72538	73974	75409	76845	78280	79716	81151	82587	84022	85457	15685
3026	·86892	88328	89763	91198	92633	94068	95503	96938	98373	99807	15654
3027	481·01242	02677	04111	05546	06981	08415	09849	11284	12718	14153	15654
3028	·15587	17021	18456	19889	21324	22758	24192	25626	27059	28494	15624
3029	·29927	31361	32795	34229	35662	37096	38529	39963	41396	42829	15624
3030	·44263	49696	47130	48563	49996	51429	52862	54295	55728	57161	15624
3031	·58594	60026	61459	62892	64325	65757	67189	68622	70055	71487	15594
3032	·72919	74352	75784	77216	78649	80081	81513	82945	84377	85809	15594
3033	·87241	88673	90105	91537	92968	94399	95832	97263	98695	00126	15563
3034	482·01558	02989	04420	05852	07283	08714	10145	11576	13007	14439	15563
3035	·15869	17300	18731	20161	21593	23024	24454	25885	27316	28746	15533
3036	·30177	31607	33038	34468	35898	37329	38759	40189	41619	43049	15533
3037	·44479	45909	47339	48769	50199	51629	53058	54488	55918	57347	15503
3038	·58777	60206	61636	63065	64495	65924	67353	68783	70212	71641	15503
3039	·73070	74499	75928	77357	78786	80215	81644	83072	84501	85929	15472
3040	·87358	88787	90215	91644	93072	94501	95929	97357	98786	00214	15472
3041	483·01642	03070	04498	05926	07354	08782	10209	11638	13066	14493	15442
3042	·15921	17349	18776	20204	21631	23059	24486	25913	27341	28768	15442
3043	·30195	31622	33049	34477	35904	37331	38758	40184	41611	43038	15411
3044	·44465	45892	47318	48745	50171	51598	53024	54451	55877	57303	15411
3045	·58729	60156	61582	63008	64434	65860	67286	68712	70138	71564	15411
3046	·72989	74416	75841	77267	78693	80118	81544	82969	84395	85820	15381
3047	·87245	88671	90096	91521	92946	94371	95796	97222	98646	00071	15381
3048	484·01496	02921	04346	05771	07195	08619	10045	11469	12894	14318	15350
3049	·15742	17167	18591	20015	21439	22864	24288	25712	27136	28560	15352

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3050	484·29984	31408	32832	34255	35679	37103	38527	39950	41374	42797	15320
3051	·44221	45644	47068	48491	49914	51337	52761	54184	55607	57039	15320
3052	·58453	59876	61299	62722	64144	65567	66990	68413	69835	71258	15289
3053	·72680	74103	75525	76948	78370	79792	80125	82637	84059	85481	15289
3054	·86903	88325	89747	91169	92591	94013	95435	96856	98278	99700	15259
3055	485·01121	02543	03965	05386	06807	08229	09650	11071	12493	13914	15259
3056	·15335	16756	18177	19598	21019	22440	23861	25282	26702	28123	15228
3057	·29544	30965	32385	33806	35226	36647	38067	39487	40908	42328	15228
3058	·43748	45168	46588	48008	49429	50848	52268	53688	55108	56528	15198
3059	·57948	59368	60787	62207	63626	65046	66465	67885	69304	70723	15198
3060	·72143	73562	74981	76400	77819	79238	80657	82076	83495	84914	15198
3061	·86333	87752	89170	90589	92008	93426	94845	96263	97682	99100	15167
3062	486·00519	01937	03355	04773	06192	07610	09028	10446	11864	13282	15167
3063	·14700	16118	17535	18953	20371	21788	23206	24624	26041	27459	15136
3064	·28876	30293	31711	33128	34545	35963	37379	38797	40214	41631	15136
3065	·43048	44465	45882	47299	48715	50132	51549	52965	54382	55799	15106
3066	·57215	58632	60048	61464	62881	64297	65713	67129	68545	69962	15106
3067	·71378	72194	74210	75625	77041	78457	79873	81289	82704	84120	15075
3068	·85536	86951	88367	89782	91197	92613	94028	95443	96859	98274	15075
3069	·99689	01104	02519	03934	05349	06764	08179	09593	11008	12423	15044
3070	487·13838	15252	16667	18081	19496	20910	22325	23739	25153	26567	15044
3071	·27982	29396	30810	32224	33638	35052	36466	37880	39294	40707	15014
3072	·42121	43535	44948	46362	47776	49189	50603	52016	53429	54843	15014
3073	·56256	57669	59082	60496	61909	63322	64735	66148	67561	68973	15014
3074	·70386	71799	73212	74625	76037	77450	78863	80275	81687	83100	14983
3075	·84512	85924	87337	88749	90161	91573	92985	94397	95809	97221	14983
3076	·98633	00045	01457	02869	04280	05692	07104	08515	09927	11338	14952
3077	488·12750	14161	15572	16984	18395	19806	21217	22628	24039	25451	14952
3078	·26862	28272	29683	31094	32505	33916	35327	36737	38148	39558	14921
3079	·40969	42379	43790	45200	46611	48021	49431	50841	52251	53662	14921
3080	·55072	56482	57892	59302	60711	62121	63531	64941	66351	67760	14891
3081	·69170	70579	71989	73398	74808	76217	77627	79036	80445	81854	14891
3082	·83263	84673	86082	87491	88900	90309	91717	93126	94535	95944	14860
3083	·97352	98761	00170	01578	02987	04395	05804	07212	08620	10029	14860
3084	489·11437	12845	14253	15661	17069	18477	19885	21293	22701	24109	14829
3085	·25517	26925	28332	29740	31148	32555	33963	35370	36777	38185	14829
3086	·39592	40999	42407	43814	45221	46628	48035	49442	50849	52256	14829
3087	·53663	55070	56477	57883	59290	60697	62103	63510	64916	66323	14798
3088	·67729	69136	70542	71948	73354	74761	76167	77573	78979	80385	14798
3089	·81791	83197	84603	86008	87414	88820	90226	91631	93037	94442	14767
3090	·95848	97253	98659	00064	01469	02875	04280	05685	07090	08495	14767
3091	490·09901	11306	12710	14115	15520	16925	18330	19735	21139	22544	14736
3092	·23949	25353	26757	28162	29566	30971	32375	33779	35184	36588	14736
3093	·37992	39396	40800	42204	43608	45012	46416	47819	49224	50627	14705
3094	·52031	53435	54838	56242	57649	59049	60452	61855	63259	64662	14705
3095	·66065	67469	68872	70275	71678	73081	74484	75887	77289	78692	14674
3096	·80095	81498	82901	84303	85706	87108	88511	89913	91310	92718	14674
3097	·94121	95523	96825	98327	99729	01132	02534	03936	05338	06739	14674
3098	491·08141	09543	10945	12347	13748	15150	16552	17953	19355	20756	14643
3099	·22158	23559	24960	26362	27763	29164	30565	31966	33367	34768	14643

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3100	491·36169	37570	38971	40372	41773	43174	44574	45975	47376	48776	14612
3101	·50177	51577	52978	54378	55778	57179	58579	59979	61379	62779	14612
3102	·64179	65579	66979	68379	69779	71179	72579	73979	75378	76778	14581
3103	·78178	79577	80977	82376	83776	85175	86574	87974	89373	90772	14581
3104	·92171	93570	94969	96368	97767	99166	00565	01964	03363	04762	14550
3105	492·06160	07559	08958	10356	11755	13153	14552	15950	17349	18747	14550
3106	·20145	21543	22942	24339	25737	27136	28534	29932	31329	32728	14550
3107	·34125	35523	36921	38319	39716	41114	42511	43909	45306	46704	14519
3108	·48101	49498	50896	52293	53690	55087	56484	57881	59278	56075	14519
3109	·52072	63469	64866	66263	67659	69056	70453	71849	73246	74642	14488
3110	·76039	77435	78832	80228	81624	83021	84417	85813	87209	88605	14488
3111	·90001	91397	92793	94189	95585	96981	98376	99772	01168	02563	14457
3112	493·03959	05355	06749	08145	09541	10936	12331	13727	15122	16517	14457
3113	·17912	19307	20702	22097	23492	24887	26282	27676	29071	30466	14426
3114	·31861	33254	34650	36045	37439	38834	40228	41622	43017	44411	14426
3115	·45805	47199	48593	49988	51382	52776	54169	55563	56957	58351	14395
3116	·59745	61139	62532	63926	65319	66713	68107	69500	70894	72827	14395
3117	·73680	75074	76467	77859	79253	80646	82039	83432	84825	86218	14395
3118	·87611	89004	90397	91789	93182	94575	95967	97360	98753	00145	14363
3119	494·01537	02929	04322	05715	07107	08499	09891	11283	12675	14067	14363
3120	·15459	16851	18243	19635	21027	22419	23810	25202	26594	27985	14332
3121	·29377	30768	32159	33551	34943	36334	37725	39116	40508	41899	14332
3122	·43290	44681	46072	47463	48854	50245	51636	53026	54417	55808	14301
3123	·57198	58589	59979	61370	62761	64151	65541	66932	68322	69712	14301
3124	·71103	72493	73883	75273	76663	78053	79443	80833	82223	83612	14270
3125	·85002	86392	87782	89171	90561	91950	93339	94729	96119	97508	14270
3126	·98897	00287	01676	03065	04454	05843	07232	08621	10010	11399	14270
3127	495·12788	14177	15566	16954	18343	19732	21120	22509	23898	25286	14238
3128	·26674	28063	29451	30839	32228	33616	35004	36392	37780	39168	14238
3129	·40556	41944	43332	44720	46108	47496	48883	50271	51659	53046	14207
3130	·54434	55821	57209	58596	59983	61371	62758	64145	65533	66919	14207
3131	·68307	69694	71081	72468	73855	75242	76628	78015	79402	80789	14176
3132	·82175	83562	84949	86335	83722	89108	90494	91881	93267	94653	14176
3133	·96039	97426	98812	00198	01584	02969	04356	05742	07128	08513	14144
3134	496·09899	11285	12671	14056	15442	16827	18213	19598	20984	22369	14144
3135	·23755	25139	26525	27910	29295	30681	32066	33451	34836	36221	14144
3136	·37605	38990	40375	41759	43145	44529	45914	47298	48683	50067	14113
3137	·51452	51836	54221	55605	56989	58373	59758	61142	62526	63909	14113
3138	·65294	66678	68062	69446	70829	72213	73597	74981	76364	77748	14082
3139	·79132	80515	81899	83282	84665	86049	87432	88815	90199	91582	14082
3140	·92965	94348	95731	97114	98497	99879	01263	02645	04028	05411	14050
3141	497·06794	08176	09559	10941	12324	13706	15089	16471	17853	19236	14050
3142	·20618	22000	23382	24764	26147	27529	28910	30292	31674	33056	14019
3143	·34438	35819	37201	38583	39965	41346	42728	44109	45491	46872	14019
3144	·48254	49635	51016	52398	53779	55159	56541	57922	59303	60684	14019
3145	·62065	63446	64827	66207	67588	68969	70349	71730	73111	74491	13987
3146	·75872	77252	78633	80013	81393	82774	84154	85534	86914	88294	13987
3147	·89674	91054	92434	93814	95194	96574	97954	99333	00713	02093	13956
3148	498·03472	04852	06231	07611	08990	10369	11749	13128	14508	15887	13956
3149	·17266	18645	20024	21403	22782	24161	25540	26919	28298	29676	13924

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D 3
3150	498.31055	32434	33813	35191	36570	37948	39327	40705	42084	43462	13924
3151	.44840	46219	47597	48975	50353	51731	53109	54487	55865	57243	13893
3152	.58621	59999	61376	62754	64132	65509	66887	68265	69642	71019	13893
3153	.72397	73774	75152	76529	77906	79284	80661	82038	83415	84792	13893
3154	.86169	87546	88923	90300	91676	93053	94430	95807	97183	98560	13861
3155	.99936	01313	02689	04066	05442	06818	08195	09571	10947	12323	13861
3156	499.13699	15076	16452	17828	19203	20579	21955	23331	24707	26083	13830
3157	.27458	28834	30209	31585	32960	34336	35711	37087	38462	39837	13830
3158	.41213	42588	43963	45338	46713	48088	49463	50838	52213	53588	13798
3159	.54963	56337	57712	59087	60461	61836	63211	64585	65959	67334	13798
3160	.68708	70083	71457	72831	74205	75579	76954	78328	79702	81076	13798
3161	.82450	83823	85197	86571	87945	89319	90692	92066	93439	94813	13767
3162	.96187	97560	98933	00307	01680	03053	04427	05800	07173	08546	13767
3163	500.09910	11292	12665	14038	15411	16784	18157	19529	20902	22275	13735
3164	.23647	25020	26393	27765	29138	30510	31882	33255	34627	35999	13735
3165	.37371	38744	40116	41488	42860	44232	45604	46976	48347	49719	13703
3166	.51091	52463	53834	55206	56578	57949	59321	60692	62064	63435	13703
3167	.64806	66178	67549	68920	70291	71662	73033	74404	75775	77146	13703
3168	.78517	79888	81259	82630	84000	85371	86742	88112	89483	90853	13672
3169	.92224	93594	94965	96335	97705	99076	00446	01816	03186	04556	13672
3170	501.05926	07296	08666	10036	11406	12776	14146	15515	16885	18255	13640
3171	.19624	20994	22363	23733	25102	26472	27841	29210	30579	31949	13640
3172	.33318	34687	36056	37425	38794	40163	41532	42901	44270	45638	13608
3173	.47007	48376	49745	51113	52482	53850	55219	56587	57956	59324	13608
3174	.60692	62061	63429	64797	66165	67533	68901	70269	71637	73005	13608
3175	.74373	75741	77109	78476	79844	81212	82579	83947	85314	86682	13576
3176	.88049	89417	90784	92151	93519	94886	96253	97620	98987	00354	13576
3177	502.01721	03088	04455	05822	07189	08556	09923	11289	12656	14023	13545
3178	.15389	16756	18122	19489	20855	22222	23588	24954	26320	27687	13545
3179	.29053	30419	31785	33151	34517	35883	37249	38615	39981	41346	13513
3180	.42712	44078	45443	46809	48174	49540	50905	52271	53636	55002	13513
3181	.56367	57732	59097	60463	61828	63193	64558	65923	67288	68653	13513
3182	.70018	71382	72747	74112	75477	76841	78206	79570	80935	82299	13481
3183	.83664	85028	86393	87757	89121	90485	91850	93214	94578	95942	13481
3184	.97306	98670	00034	01398	02762	04125	05489	06853	08216	09580	13449
3185	503.10944	12307	13671	15034	16398	17761	19124	20488	21851	23214	13449
3186	.24577	25940	27303	28666	30029	31392	32755	34118	35481	36844	13417
3187	.38206	39569	40932	42294	43657	45019	46382	47744	49107	50469	13417
3188	.51831	53194	54556	55918	57280	58642	60004	61366	62728	64090	13417
3189	.65452	66814	68176	69537	70899	72261	73622	74984	76345	77707	13385
3190	.79068	80430	81791	83152	84514	85875	87236	88597	89958	91319	13385
3191	.92680	94041	95402	96763	98124	99485	00845	02206	03567	04928	13353
3192	504.06288	07649	09009	10370	11730	13091	14451	15811	17171	18532	13353
3193	.19892	21252	22612	23972	25332	26692	28052	29412	30772	32131	13321
3194	.33491	34851	36251	37570	38930	40289	41649	43008	44368	45727	13321
3195	.47086	48446	49805	51164	52523	53882	55241	56600	57959	59318	13321
3196	.60677	62036	63395	64753	66112	67471	68830	70188	71547	72905	13289
3197	.74264	75622	76980	78339	79697	81055	82414	83772	85130	86488	13289
3198	.87845	89204	90562	91920	93278	94636	95993	97351	98709	00066	13257
3199	505.01424	02782	04139	05497	06854	08211	09569	10926	12283	13641	13257

Chiliades centum Logarithmorum.

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3200	505.14998	16355	17712	19069	20426	21783	23140	24497	25854	27211	13225
3201	.28567	29924	31281	32637	33994	35351	36707	38064	39420	40776	13225
3202	.42133	43489	44845	46202	47558	48914	50269	51626	52982	54338	13225
3203	.55694	57049	58406	59761	61117	62473	63829	65184	66539	67895	13193
3204	.69251	70606	71962	73317	74672	76028	77383	78738	80093	81448	13193
3205	.82803	84158	85513	86868	88223	89578	90933	92288	93642	94997	13161
3206	.96352	97706	99061	00416	01769	03124	04479	05833	07187	08542	13161
3207	506.09896	11250	12604	13958	15312	16667	18020	19374	20728	22082	13129
3208	.23436	24789	26143	27497	28851	30204	31558	32911	34265	35618	13129
3209	.36972	38325	39678	41032	42385	43738	45091	46444	47797	49150	13129
3210	.50503	51856	53209	54562	55915	57267	58620	59973	61325	62678	13097
3211	.64031	65383	66736	68088	69440	70793	72145	73497	74849	76202	13097
3212	.77554	78906	80258	81609	82962	84314	85666	87017	88369	89721	13065
3213	.91073	92424	93775	95127	96479	97830	99182	00533	01885	03236	13065
3214	507.04587	05938	07289	08641	09992	11343	12694	14045	15396	16747	13065
3215	.18098	19449	20799	22150	23501	24851	26202	27553	28903	30254	13033
3216	.31604	32954	34305	35655	37005	38356	39707	41056	42406	43756	13033
3217	.45106	46456	47806	49156	50506	51856	53205	54555	55905	57254	13001
3218	.58604	59954	61303	62653	64002	65351	66701	68050	69399	70748	13001
3219	.72098	73447	74796	76145	77494	78843	80192	81541	82889	84238	12968
3220	.85587	86938	88285	89633	90982	92330	93679	95027	96376	97724	12968
3221	.99072	00421	01769	03117	04465	05814	07162	08510	09858	11206	12968
3222	508.12554	13901	15249	16597	17945	19293	20640	21988	23336	24683	12936
3223	.26031	27378	28725	30073	31420	32767	34115	35462	36809	38156	12936
3224	.39503	40850	42197	43544	44891	46238	47585	48932	50279	51625	12904
3225	.52972	54319	55665	57012	58358	59705	61051	62397	63744	65090	12904
3226	.66435	67783	69129	70475	71821	73167	74513	75859	77205	78551	12904
3227	.79897	81242	82588	83934	85279	86625	87971	89316	90662	92007	12872
3228	.93353	94698	96043	97389	98734	00079	01424	02769	04114	05459	12872
3229	509.06805	08149	09494	10839	12184	13529	14874	16218	17563	18908	12839
3230	.20252	21597	22941	24285	25630	26975	28319	29663	31007	32352	12839
3231	.33696	35039	36385	37728	39072	40416	41759	43104	44448	45791	12807
3232	.47135	48479	49823	51166	52509	53853	55197	56540	57884	59227	12807
3233	.60570	61914	63257	64600	65943	67287	68629	69973	71316	72659	12807
3234	.74002	75344	76687	78030	79373	80716	82058	83401	84743	86086	12775
3235	.87429	88770	90113	91456	92798	94140	95483	96825	98167	99509	12775
3236	510.00851	02193	03535	04877	06219	07561	08903	10245	11587	12928	12742
3237	.14269	15612	16953	18295	19636	20978	22319	23661	25002	26343	12742
3238	.27684	29026	30367	31708	33049	34390	35731	37072	38413	39754	12742
3239	.41095	42435	43776	45117	46457	47798	49139	50479	51820	53160	12742
3240	.54501	55841	57181	58522	59862	61202	62542	63882	65223	66563	12710
3241	.67903	69243	70583	71922	73262	74602	75942	77282	78621	79961	12710
3242	.81301	82640	83980	85319	86659	87998	89337	90677	92016	93355	12678
3243	.94695	96034	97373	98712	00051	01390	02729	04068	05406	06745	12678
3244	511.08084	09423	10762	12100	13439	14777	16116	17454	18793	20131	12645
3245	.21470	22808	24146	25484	26823	28161	29499	30837	32175	33513	12645
3246	.34851	36189	37527	38863	40202	41540	42878	44216	45553	46891	12645
3247	.48228	49566	50903	52241	53578	54915	56253	57590	58927	60264	12613
3248	.61602	62939	64276	65613	66950	68287	69624	70960	72297	73634	12613
3249	.74971	76307	77644	78981	80317	81654	82990	84327	85663	86999	12580

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3250	511.88336	89872	91008	92344	93680	95017	96353	97689	99025	00361	12580
3251	512.01696	03032	04368	05704	07040	08375	09711	11047	12382	13718	12580
3252	.15053	16389	17724	19059	20395	21730	23065	24400	25736	27071	12548
3253	.28406	29741	31076	32411	33746	35081	36415	37750	39085	40420	12548
3254	.41754	43089	44424	45758	47093	48427	49762	51096	52430	53765	12515
3255	.55099	56434	57768	59102	60436	61769	63104	64438	65772	67106	12515
3256	.68439	69773	71107	72441	73775	75108	76442	77775	79109	80442	12483
3257	.81776	83109	84443	85776	87109	88442	89776	91109	92442	93775	12483
3258	.95108	96441	97774	99107	00439	01773	03105	04438	05771	07103	12450
3259	513.08436	09769	11101	12434	13766	15099	16431	17763	19096	20428	12450
3260	.21760	23092	24424	25756	27088	28420	29752	31084	32416	33748	12417
3261	.35079	36412	37743	39075	40407	41738	43069	44401	45733	47064	12417
3262	.48396	49727	51058	52389	53721	55052	56383	57714	59045	60376	12417
3263	.61707	63038	64369	65700	67031	68362	69692	71023	72354	73684	12385
3264	.75015	76346	77676	79007	80337	81667	82998	84328	85658	86988	12385
3265	.88319	89649	90979	92309	93639	94969	96299	97629	98958	00288	12352
3266	514.01668	02948	04277	05607	06937	08266	09596	10925	12255	13584	12352
3267	.14913	16243	17572	18901	20230	21559	22889	24218	25547	26876	12352
3268	.28205	29534	30863	32191	33520	34849	36178	37506	38835	40164	12319
3269	.41492	42821	44149	45477	46806	48134	49462	50791	52119	53447	12319
3270	.54775	56103	57431	58759	60087	61415	62743	64071	65399	66727	12287
3271	.68054	69382	70709	72037	73365	74692	76019	77347	78675	80002	12287
3272	.81329	82657	83984	85311	86638	87966	89293	90619	91947	93274	12287
3273	.94601	95927	97254	98581	99908	01235	02561	03888	05214	06541	12254
3274	515.07868	09194	10520	11847	13173	14499	15826	17152	18478	19804	12254
3275	.21130	22457	23783	25109	26434	27760	29086	30413	31738	33064	12221
3276	.34389	35715	37041	38366	39692	41017	42343	43668	44994	46319	12221
3277	.47644	48969	50295	51620	52945	54270	55595	56920	58245	59570	12221
3278	.60895	62219	63545	64869	66194	67519	68843	70168	71493	72817	12188
3279	.74142	75466	76791	78115	79439	80764	82088	83412	84736	86060	12188
3280	.87384	88708	90032	91356	92680	94004	95328	96652	97976	99299	12155
3281	516.00623	01947	03270	04594	05917	07241	08564	09888	11211	12534	12155
3282	.13858	15181	16504	17827	19150	20473	21797	23119	24443	25765	12155
3283	.27088	28411	29734	31057	32379	33702	35025	36347	37669	38992	12123
3284	.40315	41637	42959	44282	45604	46927	48249	49571	50893	52215	12123
3285	.53537	54859	56181	57503	58825	60147	61469	62791	64113	65434	12090
3286	.66756	68078	69399	70721	72042	73364	74685	76006	77328	78649	12090
3287	.79970	81292	82613	83934	85255	86577	87897	89218	90539	91860	12090
3288	.93181	94502	95823	97143	98464	99785	01105	02426	03746	05067	12057
3289	517.06387	07708	09028	10349	11669	12989	14309	15629	16949	18269	12057
3290	.19589	20909	22229	23549	24869	26189	27509	28829	30149	31469	12024
3291	.32788	34108	35427	36747	38066	39386	40705	42025	43344	44663	12024
3292	.45983	47302	48621	49940	51259	52578	53897	55216	56535	57854	12024
3293	.59173	60492	61811	63129	64448	65767	67085	68404	69723	71041	11991
3294	.72359	73678	74996	76315	77633	78951	80269	81588	82906	84224	11991
3295	.85542	86859	88178	89496	90814	92132	93449	94767	96085	97403	11958
3296	.98720	00038	01356	02673	03991	05308	06625	07943	09260	10577	11958
3297	518.11895	13212	14529	15846	17163	18480	19797	21114	22431	23748	11958
3298	.25065	26382	27699	29015	30332	31649	32965	34282	35599	36915	11925
3299	.38232	39548	40864	42181	43497	44813	46129	47446	48762	50078	11925

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3300	518.51394	52710	54026	55342	56658	57974	59289	60605	61921	63237	11892
3301	.64552	65868	67184	68499	69815	71130	72446	73761	75076	76392	11892
3302	.77707	79022	80337	81652	82968	84283	85598	86913	88228	89543	11892
3303	.90857	92172	93487	94802	96116	97431	98746	00060	01375	02689	11859
3304	519.04004	05318	06633	07947	09261	10576	11890	13204	14518	15832	11859
3305	.17146	18460	19774	21088	22402	23716	25030	26344	27658	28971	11826
3306	.30285	31599	32512	34226	35539	36853	38166	39479	40793	42106	11826
3307	.43419	44737	46046	47359	48672	49985	51298	52611	53924	55237	11826
3308	.56550	57863	59176	60488	61801	63114	64427	65739	67052	68364	11793
3309	.69677	70989	72302	73614	74926	76239	77551	78863	80175	81487	11793
3310	.82799	84111	85423	86735	88047	89359	90671	91983	93295	94600	11760
3311	.95918	97230	98541	99853	01164	02476	03787	05099	06410	07722	11760
3312	520.09033	10344	11655	12966	14278	15589	16900	18211	19522	20833	11760
3313	.22144	23454	24765	26076	27387	28697	30008	31319	32629	33940	11727
3314	.35250	36561	37871	39182	40492	41802	43113	44423	45733	47043	11727
3315	.48353	49663	50973	52283	53593	54903	56213	57524	58833	60142	11693
3316	.61452	62762	64072	65381	66691	68000	69309	70619	71928	73238	11693
3317	.74547	75856	77166	78475	79784	81093	82402	83711	85020	86329	11693
3318	.87638	88947	90256	91565	92873	94182	95491	96799	98108	99417	11660
3319	521.00725	02034	03342	04651	05959	07267	08576	09884	11192	12500	11660
3320	.13808	15116	16425	17733	19041	20348	21656	22964	24272	25580	11627
3321	.26888	28195	29503	30811	32118	33426	34733	36041	37348	38655	11627
3322	.39963	41270	42577	43885	45192	46499	47806	49113	50420	51727	11627
3323	.53034	54341	55648	56955	58262	59568	60875	62182	62488	64795	11594
3324	.66102	67408	68715	70021	71327	72634	73940	75246	76552	77859	11594
3325	.79165	80471	81777	83083	84389	85695	87001	88307	89613	90919	11561
3326	.92224	93530	94836	96142	97447	98753	00058	01364	02669	03975	11561
3327	522.05280	06585	07891	09196	10501	11806	13112	14417	15722	17027	11561
3328	.18332	19637	20942	22247	23551	24856	26161	27466	28770	30075	11527
3329	.31380	32684	33989	35293	36598	37902	39206	40511	41815	43119	11527
3330	.44423	45728	47032	48336	49640	50944	52248	53552	54856	56159	11494
3331	.57463	58767	60071	61374	62678	63982	65285	66589	67892	69196	11494
3332	.70499	71803	73106	74409	75713	77016	78319	79622	80925	82228	11494
3333	.83531	84834	86137	87440	88743	90046	91349	92652	93954	95257	11461
3334	.96560	97862	99165	00467	01770	03072	04375	05677	06979	08282	11461
3335	523.09584	10886	12188	13490	14792	16095	17397	18699	20000	21302	11461
3336	.22604	23906	25208	26510	27811	29113	30415	31716	33018	34319	11427
3337	.35621	36922	38223	39525	40826	42127	43429	44730	46031	47332	11427
3338	.48633	49934	51235	52536	53837	55138	56439	57739	59040	60341	11427
3339	.61642	62943	64243	65544	66844	68145	69445	70746	72046	73346	11394
3340	.74647	75947	77247	78547	79848	81148	82448	83748	85048	86348	11394
3341	.87648	88947	90247	91547	92847	94147	95446	96746	98045	99345	11360
3342	524.00645	01944	03243	04543	05842	07142	08441	09740	11039	12339	11360
3343	.13638	14937	16236	17535	18834	20133	21432	22731	24029	25328	11327
3344	.26627	27926	29224	30523	31821	33120	34419	35717	37015	38314	11327
3345	.39612	40911	42209	43507	44805	46103	47402	48700	49998	51296	11327
3346	.52594	53892	55189	56487	57785	59083	60381	61678	62976	64274	11293
3347	.65571	66869	68166	69464	70761	72059	73356	74653	75951	77248	11293
3348	.78545	79842	81139	82436	83733	85030	86327	87624	88921	90218	11260
3349	.91515	92812	94108	95405	96702	97998	99295	00591	01888	03184	11260

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3350	525.04481	05777	07073	08369	09666	10962	12258	13555	14851	16147	11260
3351	.17443	18739	20035	21331	22627	23922	25218	26514	27809	29105	11226
3352	.30401	31697	32992	34288	35583	36879	38174	39469	40765	42060	11226
3353	.43355	44651	45946	47241	48536	49831	51126	52421	53716	55011	11226
3354	.56306	57601	58895	60190	61485	62779	64074	65369	66663	67958	11193
3355	.69252	70547	71841	73136	74430	75724	77019	78313	79607	80901	11193
3356	.82195	83489	84783	86077	87371	88665	89959	91253	92547	93840	11159
3357	.95134	96428	97721	99015	00309	01602	02896	04189	05482	06776	11159
3358	526.08069	09362	10656	11949	13242	14535	15828	17121	18414	19707	11159
3359	.21000	22293	23586	24879	26172	27465	28757	30049	31343	32635	11126
3360	.33928	35220	36513	37805	39098	40389	41682	42975	44267	45559	11126
3361	.46851	48143	49435	50728	52019	53312	54604	55895	57187	58479	11092
3362	.59771	61063	62354	63646	64938	66229	67521	68812	70104	71395	11092
3363	.72687	73978	75269	76561	77852	79143	80434	81726	83017	84308	11092
3364	.85599	86889	88181	89472	90762	92053	93344	94635	95926	97216	11058
3365	.98507	99797	01088	02379	03669	04959	06249	07540	08831	10121	11058
3366	527.11411	12701	13992	15282	16572	17862	19152	20442	21732	23022	11058
3367	.24312	25601	26891	28181	29471	30760	32050	33339	34629	35919	11025
3368	.37208	38498	39787	41077	42366	43655	44944	46234	47523	48812	11025
3369	.50101	51390	52679	53968	55257	56546	57835	59124	60413	61701	10991
3370	.62990	64279	65567	66856	68145	69433	70722	72010	73299	74587	10991
3371	.75875	77164	78452	79740	81028	82316	83605	84893	86181	87469	10991
3372	.88757	90045	91332	92620	93908	95196	96484	97771	99059	00347	10957
3373	528.01634	02922	04209	05497	06784	08071	09359	10645	11933	13221	10957
3374	.14508	15795	17082	18369	19656	20943	22230	23517	24804	26090	10924
3375	.27378	28665	29951	31238	32525	33811	35098	36384	37671	38957	10924
3376	.40244	41530	42817	44103	45389	46675	47962	49248	50534	51820	10924
3377	.53106	54392	55678	56964	58249	59536	60822	62107	63393	64679	10890
3378	.65965	67250	68536	69821	71107	72392	73678	74963	76249	77534	10890
3379	.78819	80104	81389	82675	83959	85245	86530	87815	89100	90385	10890
3380	.91670	92955	94239	95525	96809	98094	99379	00663	01948	03233	10856
3381	529.04517	05802	07086	08370	09655	10939	12223	13508	14792	16076	10856
3382	.17360	18644	19929	21213	22497	23781	25064	26348	27632	28916	10822
3383	.30199	31484	32767	34051	35335	36618	37902	39185	40469	41752	10822
3384	.43035	44319	45602	46885	48169	49452	50735	52018	53301	54584	10822
3385	.55867	57150	58433	59716	60999	62282	63565	64847	66130	67413	10788
3386	.68695	69978	71261	72543	73826	75108	76390	77673	78955	80237	10788
3387	.81519	82802	84084	85366	86648	87930	89212	90494	91776	93058	10788
3388	.94340	95622	96904	98186	99467	00749	02031	03312	04594	05875	10754
3389	530.07157	08438	09719	11001	12283	13564	14845	16126	17408	18689	10754
3390	.19969	21251	22532	23813	25094	26375	27656	28937	30217	31498	10720
3391	.32779	34059	35340	36621	37902	39182	40463	41743	43024	44304	10720
3392	.45584	46865	48145	49425	50705	51986	53266	54546	55826	57106	10720
3393	.58386	59666	60946	62226	63506	64785	66065	67345	68625	69904	10687
3394	.71184	72463	73743	75022	76302	77581	78861	80140	81419	82699	10687
3395	.83978	85257	86536	87815	89094	90373	91652	92931	94210	95489	10687
3396	.96768	98047	99326	00605	01883	03162	04441	05719	06998	08276	10653
3397	531.09555	10833	12112	13389	14668	15947	17225	18503	19781	21059	10653
3398	.22337	23615	24894	26172	27449	28727	30005	31283	32561	33839	10619
3399	.35116	36394	37672	38949	40227	41505	42782	44059	45337	46614	10619

Chiliades centum Logarithmorum.

Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
3500	544·06804	08045	09286	10527	11768	13008	14249	15489	16730	17971	09342
3501	·19211	20452	21692	22932	24173	25413	26653	27894	29134	30374	09342
3502	·31614	32854	34094	35334	36574	37814	39054	40294	41534	42774	09307
3503	·44014	45253	46493	47733	48973	50212	51452	52691	53931	55170	09307
3504	·56409	57649	58889	60128	61367	62606	63846	65085	66324	67563	09307
3505	·68802	70041	71280	72519	73758	74997	76236	77475	78714	79952	09272
3506	·81191	82429	83669	84907	86146	87384	88623	89861	91099	92338	09272
3507	·93577	94815	96053	97292	98529	99768	01006	02244	03482	04720	09272
3508	545·05958	07196	08434	09672	10910	12148	13386	14624	15861	17099	09236
3509	·18337	19574	20812	22049	23287	24525	25762	26999	28237	29474	09236
3510	·30712	31949	33186	34423	35661	36898	38135	39372	40609	41846	09236
3511	·43083	44319	45557	46790	48030	49267	50504	51741	52977	54214	09201
3512	·55450	56687	57924	59164	66397	61533	62869	64106	65342	66579	09201
3513	·67415	69051	70289	71524	72759	73996	75232	76468	77704	78939	09201
3514	·80176	81412	82647	83883	85119	86355	87591	88826	90062	91297	09166
3515	·92533	93768	95004	96239	97475	98710	99946	01181	02416	03651	09166
3516	546·04887	06122	07357	08592	09827	11062	12297	13532	14767	16002	09166
3517	·17237	18472	19706	20941	22176	23411	24645	25879	27114	28349	09131
3518	·29584	30818	32052	33287	34521	35756	36989	38224	39458	40693	09131
3519	·41927	43161	44395	45629	46863	48097	49331	50565	51799	53033	09096
3520	·54266	55500	56734	57968	59201	60435	61668	62902	64136	65369	09096
3521	·66603	67836	69069	70303	71536	72769	74003	75236	76469	77702	09096
3522	·78935	80168	81401	82634	83867	85100	86333	87565	88799	90032	09061
3523	·91264	92497	93729	94962	96195	97428	98660	99893	01125	02358	09061
3524	547·03589	04822	06055	07287	08519	09751	10984	12216	13448	14680	09061
3525	·15912	17144	18376	19608	20840	22072	23304	24536	25767	26999	09025
3526	·28231	29462	30694	31926	33157	34389	35620	36852	38083	39315	09025
3527	·40546	41777	43009	44239	45471	46702	47933	49165	50396	51627	09025
3528	·52858	54089	55319	56550	57781	59012	60243	61474	62704	63935	08990
3529	·65166	66396	67627	68858	70088	71319	72549	73779	75009	76240	08990
3530	·77471	78701	79931	81161	82391	83622	84852	86082	87312	88542	08990
3531	·89772	91002	92232	93461	94691	95921	97151	98381	99610	00839	08955
3532	548·02069	03299	04529	05758	06988	08217	09447	10676	11905	13134	08955
3533	·14364	15593	16822	18051	19280	20509	21739	22968	24197	25426	08955
3534	·26655	27883	29112	30341	31569	32799	34027	35256	36485	37713	08919
3535	·38942	40170	41399	42627	43856	45084	46313	47541	48769	49997	08919
3536	·51226	52454	53682	54910	56138	57366	58594	59822	61050	62278	08919
3537	·63506	64734	65962	67189	68417	69645	70873	72100	73328	74555	08884
3538	·75783	77010	78238	79465	80693	81919	83147	84375	85602	86829	08884
3539	·88056	89283	90511	91738	92965	94192	95418	96646	97872	99099	08849
3540	549·00326	01553	02779	04007	05233	06459	07687	08913	10139	11366	08849
3541	·12593	13819	15046	16272	17498	18725	19951	21177	22403	23629	08849
3542	·24856	26082	27308	28534	29759	30986	32212	33438	34664	35889	08813
3543	·37115	38341	39567	40792	42018	43244	44469	45695	46920	48146	08813
3544	·49371	50597	51822	53047	54273	55498	56723	57949	59174	60399	08813
3545	·61624	62849	64074	65299	66524	67749	68974	70199	71424	72648	08778
3546	·73873	75098	76323	77547	78772	79996	81221	82445	83669	84894	08778
3547	·86119	87343	88568	89792	91016	92240	93465	94689	95913	97137	08778
3548	·98361	99585	00809	02033	03257	04481	05705	06929	08152	09376	08742
3549	550·10599	11824	13047	14271	15495	16718	17942	19165	20389	21612	08742

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D 3
3550	350.22835	24059	25282	26505	27728	28952	30175	31398	43621	33844	08742
3551	·35067	36290	37513	38736	39959	41182	42405	43628	44850	46073	08707
3552	·47296	48518	49741	50964	52186	53409	54631	55854	57076	58298	08707
3553	·59521	60743	61965	63188	64409	65632	66854	68076	69298	70520	08707
3554	·71742	72964	74186	75408	76630	77852	79074	80295	81517	82739	08671
3555	·83961	85182	86404	87625	88847	90068	91289	92511	93733	94954	08671
3556	·96175	97397	98618	99839	01060	02281	03502	04723	05945	07166	08671
3557	551.08387	09607	10828	12049	13270	14491	15712	16932	18153	19374	09635
3558	·20594	21815	23036	24256	25477	26697	27917	29138	30358	31579	08635
3559	·32799	34019	35239	36459	37679	38899	40119	41339	42559	43779	00635
3560	·44999	46219	47439	48659	49879	51099	52319	53538	54758	55978	08600
3561	·57197	58417	59636	60856	62075	63295	64514	65734	66953	68172	08600
3562	·69392	70611	71829	73049	74268	75487	76706	77925	79144	80363	08600
3563	·81582	82801	84019	85239	86458	87676	88895	90114	91332	92551	08564
3564	·93769	94988	96207	97425	98643	99862	01080	02299	03517	04735	08564
3565	552.05953	07172	08389	09608	10826	12044	13262	14480	15698	16916	08564
3566	·18134	19352	20569	21787	23005	24223	25441	26658	27876	29093	08529
3567	·30311	31528	32746	33963	35181	36398	37616	38833	40050	41267	08529
3568	·42485	43702	44919	46136	47353	48570	49787	51004	52221	53438	08529
3569	·54655	55872	57088	58305	59522	60739	61955	63172	64389	65605	08493
3570	·66822	68038	69255	70471	71687	72904	74120	75336	76553	77769	08493
3571	·78985	80201	81417	82633	83849	85065	86281	87497	88713	89929	08475
3572	·91145	92361	93577	94792	96008	97224	98439	99655	00871	02086	08475
3573	553.03302	04517	05733	06948	08163	09379	10594	11809	13024	14239	08475
3574	·15455	16669	17885	19100	20315	21530	22745	23960	25175	26389	08421
3575	·27605	28819	30034	31245	32464	33678	34893	36107	37322	38537	08421
3576	·39751	40965	42179	43394	44609	45823	47037	48251	49466	50679	08421
3577	·51894	53108	54322	55536	56750	57964	59178	60392	61606	62819	08386
3578	·64034	65247	66461	67675	68889	70102	71316	72529	73743	74956	08386
3579	·76169	77383	78597	79810	81023	82237	83449	84663	85876	87089	08386
3580	·88303	89516	90729	91942	93154	94368	95581	96794	98006	99219	08350
3581	554.00432	01645	02858	04070	05283	06496	07708	08921	10133	11346	08350
3582	·12558	13771	14983	16195	17408	18619	19832	21044	22257	23469	08350
3583	·24681	25893	27105	28317	29529	30741	31953	33165	34377	35588	08314
3584	·36800	38012	39224	46435	41647	42858	44070	45282	46493	47705	08314
3585	·48916	50127	51339	52550	53761	54973	56184	57395	58606	59817	08314
3586	·61029	62239	63451	64662	65873	67084	68294	69505	70716	71927	08278
3587	·73138	74348	75559	76769	77980	79191	80401	81612	82823	84033	08278
3588	·85243	86454	87664	88875	90085	91295	92505	93715	94926	96136	08278
3589	·97346	98556	99766	00976	02186	03396	04606	05816	07025	01235	08242
3590	555.09445	10655	11864	13074	14284	15493	16703	17912	19122	20331	08242
3591	·21541	22749	23959	25169	26378	27587	28796	30005	31215	32424	08242
3592	·33633	34842	36051	37259	38469	39678	40887	42095	43304	44513	08206
3593	·45722	46930	48139	49348	50556	51765	52973	54182	55390	56599	08206
3594	·57807	59016	60224	61432	62641	63849	65057	66265	67473	68681	08206
3595	·69889	71098	72306	73513	74721	75929	77137	78345	79553	80761	08170
3596	·81968	83176	84384	85591	86799	88006	89214	90421	91629	92836	08170
3597	·94044	95251	96458	97666	98873	00080	01287	02495	03702	04909	08170
3598	556.06116	07323	08529	09737	10944	12151	13358	14564	15771	16978	08134
3599	·18185	19391	20598	21805	23011	24218	25424	26631	27837	29044	08134

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3600	556.30250	31456	32663	33869	35075	36282	37488	38694	39899	41106	08134
3601	.42312	43518	44724	45930	47136	48342	49548	50754	51959	53165	08098
3602	.54371	55576	56782	57988	59193	60399	61604	62809	64015	65221	08098
3603	.66426	67632	68837	70042	71247	72453	73658	74863	76068	77273	08098
3604	.78478	79683	80888	82093	83298	84503	85708	86913	88117	89322	08062
3605	.90527	91732	92936	94141	95345	96549	97755	98959	00163	01368	08062
3606	557.02572	03777	04981	06185	07389	08594	09798	11002	12206	13410	08062
3607	.14614	15818	17022	18226	19430	20633	21838	23042	24245	25449	08026
3608	.26653	27857	29060	30264	31467	32671	33874	35078	36281	37485	08026
3609	.38688	39892	41095	42298	43501	44705	45908	47111	48314	49517	08026
3610	.50720	51923	53126	54329	55532	56735	57938	59141	60343	61546	07990
3611	.62749	63952	65154	66357	67559	68762	69964	71167	72369	73572	07990
3612	.74774	75977	77179	78381	79583	80786	81988	83189	84392	85594	07990
3613	.86796	87998	89200	90402	91604	92806	94008	95209	96411	97613	07954
3614	.98815	00017	01218	02419	03621	04823	06024	07226	08427	09629	07954
3615	558.10830	12032	13233	14434	15635	16837	18038	19239	20440	21641	07954
3616	.22842	24043	25244	26445	27646	28847	30048	31249	32449	33650	07918
3617	.34851	36052	37252	38453	39653	40854	42055	43255	44455	45656	07918
3618	.46856	48057	49257	50457	51657	52858	54058	55258	56458	57658	07918
3619	.58858	60058	61258	62458	63658	64858	66058	67258	68458	69657	07881
3620	.70857	72057	73256	74456	75656	76855	78055	79254	80454	81653	07881
3621	.82852	84051	85251	86450	87649	88848	90048	91247	92446	93645	07881
3622	.94844	96043	97242	98441	99640	00839	02038	03237	04435	05634	07845
3623	559.06833	08032	09230	10429	11628	12826	14025	15223	16422	17620	07845
3624	.18818	20017	21215	22413	23612	24810	26008	27206	28404	29603	07845
3625	.30801	31999	33197	34395	35593	36790	37988	39186	40384	41582	07809
3626	.42780	43977	45175	46373	47571	48768	49965	51163	52360	53558	07809
3627	.54755	55952	57150	58347	59544	60742	61939	63136	64333	65530	07809
3628	.66727	67924	69121	70318	71515	72712	73909	75106	76303	77500	07773
3629	.78697	79893	81090	82286	83483	84680	85876	87073	88269	89466	07773
3630	.90662	91858	93055	94251	95447	96644	97840	99036	00232	01428	07773
3631	560.02624	03820	05016	06212	07408	08604	09800	10996	12192	13388	07736
3632	.14583	15779	16975	18171	19366	20562	21757	22953	24148	25344	07736
3633	.26539	27735	28930	30125	31321	32516	33711	34906	36102	37297	07736
3634	.38492	39687	40882	42077	43272	44467	45662	46857	48051	49246	07700
3635	.50441	51636	52830	54025	55220	56414	57609	58804	59998	61193	07700
3636	.62387	63581	64776	65970	67164	68359	69553	70747	71941	73135	07700
3637	.74330	75524	76718	77912	79106	80300	81494	82688	83881	85075	07564
3638	.86269	87463	88657	89850	91044	92237	93431	94625	95818	97012	07664
3639	.98205	99398	00592	01785	02979	04172	05365	06558	07752	08945	07664
3640	561.10138	11331	12524	13717	14910	16103	17296	18489	19682	20875	07627
3641	.22067	23260	24453	25646	26838	28031	29224	30416	31609	32801	07627
3642	.33994	35186	36379	37571	38763	39956	41148	42340	43532	44724	07627
3643	.45917	47109	48301	49493	50685	51877	53069	54261	55453	56645	07591
3644	.57836	59028	60220	61412	62603	63794	64987	66178	67370	68561	07591
3645	.69753	70944	72136	73327	74518	75710	76901	78092	79284	80475	07591
3646	.81666	82857	84048	85239	86430	87621	88812	90003	91194	92385	07554
3647	.93576	94767	95957	97148	98339	99530	00720	01911	03101	04292	07554
3648	562.05482	06673	07863	09054	10244	11435	12625	13815	15095	16196	07554
3649	.17386	18576	19766	20956	22145	23336	24526	25716	26906	28096	07518

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Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
3650	562.29286	30476	31666	32855	34045	35235	36424	37614	38804	39993	07518
3651	.41183	42372	43562	44751	45941	47130	48319	49509	50698	51887	07518
3652	.53076	54266	55455	56644	57833	59022	60211	61400	62589	63778	07518
3653	.64967	66156	67344	68533	69722	70911	72099	73288	74477	75665	07481
3654	.76854	78042	79231	80419	81608	82796	83984	85173	86361	87549	07481
3655	.88738	89926	91114	92302	93490	94678	95866	97054	98242	99430	07481
3656	563.00818	01806	02994	04182	05370	06557	07745	08933	10120	11308	07445
3657	.12496	13683	14871	16058	17246	18433	19620	20808	21995	23182	07445
3658	.24370	25557	26744	27931	29118	30305	31493	32680	33867	35054	07445
3659	.36240	37427	38614	39801	40988	42175	43361	44548	45735	46921	07408
3660	.48108	49295	50481	51668	52854	54041	55227	56413	57600	58786	07408
3661	.59972	61159	62345	63531	64717	65903	67089	68276	69462	70648	07408
3662	.71834	73019	74205	75391	76577	77763	78949	80134	81320	82506	07371
3663	.83691	84877	86063	87248	88434	89619	90805	91990	93175	94361	07371
3664	.95547	96732	97917	99102	00287	01473	02658	03843	05028	06213	07371
3665	564.07398	08583	09768	10953	12138	13322	14507	15692	16877	18061	07335
3666	.19246	20431	21615	22799	23984	25169	26353	27538	28722	29907	07335
3667	.31091	32275	33459	34644	35828	37012	38196	39381	40564	41749	07335
3668	.42933	44117	45301	46485	47668	48852	50036	51219	52404	53587	07298
3669	.54771	55955	57138	58322	59506	60689	61873	63056	64239	65423	07298
3670	.66606	67789	68973	70156	71339	72523	73706	74889	76072	77255	07298
3671	.78438	79621	80804	81987	83170	84353	85536	86719	87902	89085	07261
3672	.90267	91449	92633	93815	94998	96180	97363	98546	99728	00910	07261
3673	565.02093	03275	04458	05639	06822	08004	09187	10369	11551	12733	07261
3674	.13915	15097	16279	17461	18643	19825	21007	22189	23371	24553	07224
3675	.25734	26916	28098	29279	30461	31643	32824	34006	35187	36369	07224
3676	.37550	38732	39913	41094	42276	43457	44638	45819	47001	48182	07224
3677	.49363	50544	51725	52906	54087	55268	56449	57629	58811	59992	07188
3678	.61173	62353	63534	64715	65895	67076	68257	69437	70618	71798	07188
3679	.72979	74159	75339	76520	77700	78881	80061	81241	82422	83602	07188
3680	.84782	85962	87142	88322	89502	90682	91862	93042	94222	95402	07151
3681	.96582	97762	98941	00121	01301	02480	03660	04839	06019	07199	07151
3682	566.08378	09558	10737	11917	13096	14276	15455	16634	17813	18993	07151
3683	.20172	21351	22530	23709	24888	26067	27246	28425	29604	30783	07151
3684	.31962	33141	34319	35499	36677	37856	39035	40213	41392	42571	07114
3685	.43749	44928	46106	47285	48463	49642	50819	51998	53177	54355	07114
3686	.55533	56711	57889	59068	60246	61424	62603	63779	64958	66136	07114
3687	.67314	68492	69669	70847	72025	73203	74381	75558	76736	77914	07077
3688	.79091	80269	81445	82624	83801	84979	86156	87334	88511	89688	07077
3689	.90866	92043	93220	94397	95574	96751	97929	99106	00283	01459	07077
3690	567.02637	03814	04990	06167	07344	08521	09698	10874	12051	13228	07040
3691	.14405	15581	16758	17934	19111	20287	21464	22640	23817	24993	07040
3692	.26169	27346	28522	29698	30874	32050	33227	34403	35579	36755	07040
3693	.37931	39107	40283	41459	42634	43610	44986	46162	47338	48513	07003
3694	.49689	50865	52040	53216	54392	55567	56743	57918	59094	60269	07003
3695	.61444	62619	63795	64970	66145	67321	68496	69671	70846	72021	07003
3696	.73196	74371	75546	76721	77896	79071	80246	81421	82596	83770	06966
3697	.84945	86119	87294	88469	89644	90818	91993	93167	94342	95516	06966
3698	.96691	97865	99039	00214	01388	02562	03737	04911	06085	07259	06966
3699	568.08433	09607	10781	11955	13129	14303	15477	16650	17825	18999	06929

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3700	568.20172	21346	22520	23694	24867	26041	27214	28388	29562	30735	06929
3701	.31909	33082	34255	35429	36602	37775	38949	40122	41295	42468	06929
3702	.43641	44815	45988	47161	48334	49507	50680	51853	53026	54198	06892
3703	.55371	56544	57717	58890	60062	61235	62408	63580	64753	65925	06892
3704	.67098	68270	69443	70615	71788	72960	74132	75305	76477	77649	06892
3705	.78821	79993	81166	82338	83510	84682	85854	87026	88198	89370	06892
3706	.90542	91713	92885	94057	95229	96400	97572	98744	99915	01087	06850
3707	569.02259	03430	04602	05773	06945	08116	09287	10459	11630	12801	06850
3708	.13973	15144	16315	17486	18657	19828	20999	22170	23341	24512	06850
3709	.25683	26154	28025	29196	30367	31538	32708	33879	35050	36220	06818
3710	.37391	38562	39732	40903	42073	43244	44414	45584	46755	47925	06818
3711	.49095	50266	51436	52606	53776	54946	56117	57287	58457	59627	06818
3712	.60797	61967	63137	64307	65476	66646	67816	68986	70156	71325	06781
3713	.72495	73665	74834	76004	77173	78343	79512	80682	81851	83021	06781
3714	.84190	85359	86529	87698	88867	90036	91205	92375	92544	94713	06781
3715	.95882	97051	98220	99389	00558	01727	02895	04064	05233	06402	06744
3716	570.07571	08739	09908	11077	12245	13414	14582	15751	16919	18088	06744
3717	.19256	20424	21593	22761	23929	25098	26266	27434	28602	29770	06744
3718	.30939	32107	33275	34443	35611	36779	37947	39114	40282	41450	06707
3719	.42618	43786	44953	46121	47289	48456	49624	50791	51959	53127	06707
3720	.54294	55461	56629	57796	58964	60131	61298	62465	63633	64890	06707
3721	.65967	67134	68301	69468	70635	71802	72969	74136	75303	76470	06707
3722	.77637	78804	79970	81137	82304	83471	84637	85804	86971	88137	06669
3723	.89304	90470	91637	92803	93969	95136	96302	97468	98635	99801	06669
3724	571.00967	02133	03300	04466	05632	06798	07964	09130	10296	11462	06669
3725	.12628	13794	14959	16125	17291	18457	19622	20788	21954	23119	06632
3726	.24285	25451	26616	27782	28947	30113	31278	32443	33609	34774	06632
3727	.35939	37105	38270	39435	40600	41765	42930	44095	45260	46425	06632
3728	.47590	48755	49920	51085	52250	53415	54580	55744	56909	58074	06595
3729	.59238	60403	61568	62732	63897	65061	66226	67390	68554	69719	06595
3730	.70883	72047	73212	74376	75540	76704	77869	79033	80197	81361	06595
3731	.82525	83689	84853	86017	87181	88345	89509	90672	91836	93000	06557
3732	.94164	95327	96491	97654	98818	99982	01145	02309	03472	04636	06557
3733	572.05799	06962	08126	09289	10452	11616	12779	13942	15105	16268	06557
3734	.17431	18594	19757	20920	22084	23246	24409	25572	26735	27898	06520
3735	.29061	30223	31386	32549	33711	34874	36037	37199	38362	39524	06520
3736	.40687	41849	43012	44174	45336	46499	47661	48823	49985	51148	06520
3737	.52310	53472	54634	55796	56958	58120	59282	60444	61606	62768	06483
3738	.63930	65092	66253	67415	68577	69739	70900	72062	73223	74385	06483
3739	.75547	76708	77870	79031	80192	81354	82515	83676	84838	85999	06483
3740	.87160	88321	89483	90644	91805	92966	94127	95288	96449	97610	06483
3741	.98771	99932	01093	02253	03414	04575	05736	06896	08057	09218	06445
3742	573.10378	11539	12699	13860	15020	16181	17341	18502	19662	20822	06445
3743	.21983	23143	24303	25463	26624	27784	28944	30104	31264	32424	06445
3744	.33584	34744	35904	37064	38224	39383	40543	41703	42863	44023	06480
3745	.45182	46342	47501	48661	49821	50980	52140	53299	54459	55618	06480
3746	.56777	57937	59096	60255	61414	62574	63733	64892	66051	67210	06480
3747	.68369	69528	70687	71846	73005	74164	75323	76482	77641	78799	06370
3748	.79958	81117	82276	83434	84593	85752	86910	88069	89227	90386	06370
3749	.91544	92702	93861	95019	96178	97336	98494	99652	00810	01969	06370

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3750	574·03127	04285	05443	06601	07759	08917	10075	11233	12391	13549	06333
3751	·14706	15864	17022	18180	19337	20495	21653	22810	23968	25125	06333
3752	·26283	27440	28598	29755	30913	32070	33227	34385	35542	36699	06333
3753	·37856	39014	40171	41328	42485	43642	44799	45956	47113	48270	06333
3754	·49427	50584	51741	52897	54054	55211	56368	57524	58681	59838	06295
3755	·60994	62151	63307	64464	65620	66777	67933	69089	70246	71402	06295
3756	·72558	73715	74871	76027	77183	78339	79495	80651	81808	82964	06295
3757	·84120	85275	86431	87587	88743	89899	91055	92210	93366	94522	06258
3758	·95678	96833	97989	99144	00300	01455	02611	03766	04922	06077	06258
3759	575·07233	08388	09543	10698	11854	13009	14164	15319	16474	17629	06258
3760	·18784	19940	21095	22249	23404	24559	25714	26869	28024	29179	06220
3761	·30333	31488	32643	33797	34952	36107	37261	38416	39570	40725	06220
3762	·41879	43034	44188	45342	46497	47651	48805	49959	51114	52268	06220
3763	·53422	54576	55730	56884	58038	59192	60346	61500	62654	63808	06182
3764	·64961	66115	67269	68423	69576	70730	71884	73037	74191	75345	06182
3765	·76498	77652	78805	79958	81112	82264	83419	84572	85725	86878	06182
3766	·88032	89185	90338	91491	92644	93797	94950	96103	97256	98409	06182
3767	·99562	00715	01868	03021	04173	05326	06479	07632	08784	09937	06145
3768	576·11089	12242	13395	14547	15700	16852	18004	19157	20309	21461	06145
3769	·22614	23766	24918	26070	27223	28375	29527	30679	31831	32983	06145
3770	·34135	35287	36439	37591	38743	39895	41046	42198	43350	44502	06107
3771	·45653	46805	47957	49108	50260	51411	52563	53714	54866	56017	06107
3772	·57168	58320	59471	60622	61774	62925	64076	65227	66378	67529	06107
3773	·68681	69832	70983	72134	73285	74435	75585	76737	77888	79039	06069
3774	·80190	81340	82491	83642	84792	85943	87094	88244	89395	90545	06069
3775	·91696	92846	93996	95147	96297	97447	98598	99748	c0898	02048	06069
3776	577·03199	04349	05499	06649	07799	08949	10099	11249	12399	13549	06032
3777	·14698	15848	16998	18148	19298	20447	21597	22747	23896	25046	06032
3778	·26195	27345	28494	29644	30793	31943	33092	34241	35391	36540	06032
3779	·37689	38838	39988	41137	42286	43435	44584	45733	46882	48031	06032
3780	·49180	50329	51478	52627	53775	54924	56073	57202	58370	59519	05994
3781	·60668	61816	62965	64113	65262	66410	67559	68707	69856	71004	05994
3782	·72152	73301	74449	75597	76745	77894	79042	80190	81338	82486	05994
3783	·83634	84782	85930	87078	88226	89374	90522	91670	92817	93965	05956
3784	·95113	96260	97408	98556	99703	00851	01999	03146	04294	05441	05956
3785	578·06588	07736	08883	10030	11178	12325	13472	14620	15767	16914	05956
3786	·18061	19208	20355	21502	22649	23796	24943	26090	27237	28384	05918
3787	·29531	30677	31824	32971	34117	35264	36411	37557	38704	39851	05918
3788	·40997	42144	43290	44436	45583	46729	47875	49022	50168	51314	05918
3789	·52461	53607	54753	55899	57045	58191	59337	60483	61629	62775	05880
3790	·63921	65067	66213	67359	68504	69650	70796	71942	73087	74233	05880
3791	·75378	76524	77670	78815	79961	81106	82251	83397	84542	85688	05880
3792	·86833	87978	89123	90269	91414	92559	93704	94849	95994	97139	05880
3793	·98284	99429	00574	01719	02864	04009	05154	06298	07443	08588	05842
3794	579·09733	10877	12022	13167	14311	15456	16600	17745	18889	20034	05842
3795	·21178	22322	23467	24611	25755	26900	28044	29188	30332	31476	05842
3796	·32620	33764	34908	36052	37196	38340	39484	40628	41772	42916	05804
3797	·44060	45203	46347	47491	48635	49778	50922	52065	53209	54353	05804
3798	·55496	56640	57783	58927	60070	61213	62356	63500	64643	65786	05804
3799	·66929	68073	69216	70359	71502	72645	73788	74931	76074	77217	05804

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3800	579.78360	79503	80645	81788	82931	84074	85216	86359	87502	88644	05766
3801	.89786	90930	92072	93215	94357	95499	96642	97784	98927	00069	05766
3802	580.01211	02354	03496	04638	05780	06922	08064	09206	10349	11491	05766
3803	.12633	13775	14916	16058	17200	18342	19484	20626	21767	22909	05728
3804	.24051	25192	26334	27476	28617	29759	30900	32042	33183	34325	05728
3805	.35466	36607	37749	38890	40031	41173	42314	43455	44596	45737	05728
3806	.46878	48019	49160	50302	51442	52583	53724	54865	56006	57147	05690
3807	.58288	59428	60569	61709	62851	63991	65132	66272	67413	68553	05690
3808	.69694	70834	71975	73115	74256	75396	76536	77677	78817	79957	05690
3809	.81097	82237	83378	84518	85658	86798	87938	89078	90218	91358	05690
3810	.92498	93637	94777	95917	97057	98197	99336	00476	01616	02755	05652
3811	581.03895	05034	06174	07313	08453	09592	10732	11871	13011	14150	05652
3812	.15289	16428	17568	18707	19846	20985	22124	23263	24403	25542	05652
3813	.26681	27820	28958	30097	31236	32375	33514	34653	35791	36930	05614
3814	.38069	39208	40345	41485	42623	43762	44900	46039	47177	48316	05614
3815	.49454	50593	51731	52869	54008	55146	56284	57422	58560	59699	05614
3816	.60837	61975	63113	64251	65389	66527	67665	68802	69940	71078	05576
3817	.72216	73354	74492	75629	76767	77905	79042	80180	81317	82455	05576
3818	.83592	84730	85867	87005	88142	89280	90417	91554	92691	93829	05576
3819	.94966	96103	97240	98377	99514	00651	01788	02925	04062	05199	05576
3820	582.06336	07473	08610	09747	10884	12020	13157	14294	15431	16567	05537
3821	.17704	18840	19977	21113	22250	23386	24523	25659	26796	27932	05537
3822	.29068	30205	31341	32477	33613	34749	35886	37022	38158	39294	05537
3823	.40430	41566	42702	43838	44974	46109	47245	48381	49517	50653	05499
3824	.51788	52924	54060	55195	56331	57467	58602	59738	60873	62009	05499
3825	.63144	64279	65415	66550	67685	68821	69956	71091	72226	73361	05499
3826	.74497	75632	76767	77902	79037	80172	81307	82442	83577	84711	05461
3827	.85846	86981	88116	89251	90385	91520	92655	93789	94924	96058	05461
3828	.97193	98327	99462	00596	01731	02865	04000	05134	06268	07402	05461
3829	583.08537	09671	10805	11939	13073	14207	15341	16475	17609	18743	05461
3830	.19877	21011	22145	23279	24413	25547	26680	27814	28948	30082	05422
3831	.31215	32349	33482	34616	35749	36883	38016	39150	40283	41417	05422
3832	.42550	45683	44817	45950	47083	48216	49350	50483	51616	52749	05422
3833	.53882	55015	56148	57281	58414	59547	60679	61812	62945	64078	05384
3834	.65211	66344	67476	68609	69742	70874	72007	73139	74272	75404	05384
3835	.76537	77669	78802	79934	81066	82199	83331	84463	85595	86728	05384
3836	.87860	88992	90124	91256	92388	93520	94652	95784	96916	98048	05384
3837	.99180	00312	01444	02575	03707	04839	05971	07102	08234	09365	05346
3838	584.10497	11629	12760	13892	15023	16154	17286	18417	19549	20679	05346
3839	.21811	22942	24074	25205	26336	27467	28598	29729	30860	31991	05346
3840	.33122	34253	35384	36515	37646	38777	39908	41039	42169	43300	05307
3841	.44431	45561	46692	47822	48953	50084	51214	52345	53475	54606	05307
3842	.55736	56866	57996	59127	60257	61388	62518	63648	64778	65908	05307
3843	.67038	68169	69299	70429	71559	72689	73818	74948	76078	77208	05269
3844	.78338	79468	80597	81727	82856	83986	85116	86246	87375	88505	05269
3845	.89634	90764	91893	93023	94152	95282	96411	97540	98669	99799	05269
3846	585.00927	02057	03186	04315	05445	06574	07703	08832	09961	11090	05269
3847	.12219	13347	14476	15605	16734	17862	18992	20120	21249	22378	05230
3848	.23506	24635	25764	26892	28021	29149	30277	31406	32534	33662	05230
3849	.34791	35919	37047	38176	39304	40432	41561	42689	43817	44945	05230

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3850	585·46073	47201	48329	49457	50585	51713	52841	53969	55096	56224	05192
3851	·57352	58479	59607	60735	61863	62990	64118	65245	66373	67500	05192
3852	·68628	69755	70883	72010	73137	74265	75392	76519	77647	78774	05192
3853	·79901	81028	82155	83282	84409	85536	86663	87790	88917	90044	05192
3854	·91171	92298	93425	94552	95678	96805	97932	99058	00185	01312	05153
3855	586·02438	03565	04691	05818	06944	08071	09197	10324	11449	12576	05153
3856	·13703	14829	15955	17081	18207	19334	20459	21586	22712	23838	05153
3857	·24964	26089	27216	28342	29468	30594	31719	32845	33971	35097	05115
3858	·36222	37348	38474	39599	40725	41850	42975	44102	45227	46352	05115
3859	·47478	48603	49729	50854	51979	53105	54229	55355	56480	57605	05115
3860	·58730	59856	60981	62106	63231	64356	65481	66606	67730	68855	05076
3861	·69980	71105	72229	73355	74479	75604	76729	77853	78978	80102	05076
3862	·81227	82351	83476	84600	85725	86849	87974	89098	90222	91347	05076
3863	·92471	93595	94719	95843	96968	98092	99216	00339	01464	02588	05076
3864	587·03712	04836	05959	07084	08207	09331	10455	11579	12702	13826	05037
3865	·14949	16073	17197	18321	19444	20568	21691	22815	23938	25062	05037
3866	·26185	27308	28432	29555	30678	31801	32925	34048	35171	36294	05037
3867	·37417	38540	39663	40786	41909	43032	44155	45278	46401	47524	04999
3868	·48647	49769	50892	52015	53137	54260	55383	56505	57628	58750	04999
3869	·59873	60995	62117	63240	64363	65485	66607	67729	68852	69974	04999
3870	·71097	72219	73341	74463	75585	76707	77829	78951	80073	81195	04999
3871	·82317	83439	84561	85683	86805	87926	89048	90169	91292	92413	04960
3872	·93535	94656	95778	96899	98021	99143	00264	01386	02507	03628	04960
3873	588·04749	05871	06992	08114	09235	10356	11477	12598	13719	14841	04960
3874	·15962	17083	18204	19325	20446	21567	22687	23808	24929	26049	04621
3875	·27171	28291	29412	30533	31653	32774	33895	35015	36136	37256	04621
3876	·38377	39497	40618	41738	42858	43979	45099	46219	47339	48459	04621
3877	·49580	50700	51821	52941	54061	55181	56301	57421	58541	59661	04621
3878	·60180	61900	63020	64140	65255	66379	67499	68619	69739	70858	04883
3879	·71978	73097	74217	75337	76456	77576	78695	79814	80934	82053	04883
3880	·83173	84292	85411	86530	87649	88769	89888	91007	92126	93245	04883
3881	·94364	95483	96602	97721	98840	99959	01078	02197	03316	04434	04844
3882	589·05553	06672	07791	08909	10028	11146	12265	13384	14502	15621	04844
3883	·16739	17857	18976	20094	21213	22331	23449	24568	25686	26804	04844
3884	·27922	29040	30158	31276	32395	33513	34631	35749	36867	37984	04844
3885	·39102	40220	41338	42456	43574	44691	45809	46927	48044	49162	04805
3886	·50279	51397	52515	53632	54749	55867	56985	58102	59219	60337	04805
3887	·61454	62571	63689	64806	65923	67040	68157	69274	70392	71509	04805
3888	·72626	73743	74859	75977	77093	78210	79327	80444	81561	82978	04766
3889	·83794	84911	86028	87144	88261	89378	90494	91611	92727	93844	04766
3890	·94960	96077	97193	98309	99426	00542	01698	02775	03891	05007	04766
3891	590·06123	07239	08355	09471	10587	11703	12819	13935	15051	16167	04727
3892	·17283	18399	19515	20631	21746	22862	23978	25094	26209	27325	04727
3893	·28440	29556	30671	31787	32902	34018	35133	36249	37364	38479	04727
3894	·39595	40710	41825	42940	44056	45171	46286	47401	48516	49631	04727
3895	·50746	51861	52976	54091	55206	56321	57436	58551	59665	60780	04688
3896	·61895	63009	64134	65239	66353	67468	68583	69697	70812	71926	00688
3897	·73041	74155	75269	76384	77498	78612	79727	80841	81955	83069	04688
3898	·84183	85298	86412	87526	88639	89754	90868	91982	93096	94209	04649
3899	·95324	96437	97551	98665	99779	00892	02006	03119	04233	05347	04649

Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
3900	591·06461	07574	08688	09801	10915	12028	13142	14255	15368	16482	04649
3901	·17595	18708	19822	20935	22048	23161	24274	25387	26500	27613	04649
3902	·28727	29840	30952	32065	33178	34291	35404	36517	37630	38742	04610
3903	·39855	40968	42081	43193	44306	45418	46531	47643	48756	49868	04610
3904	·50981	52093	53206	54318	55430	56543	57655	58767	59879	60992	04610
3905	·62104	63216	64328	65440	66552	67664	68776	69888	71000	72112	04610
3906	·73224	74336	75447	76559	77671	78783	79895	81006	82118	83230	04571
3907	·84341	85453	86564	87676	88787	89899	91010	92121	93233	94344	04571
3908	·95455	96567	97678	98789	99900	01012	02123	03234	04345	05456	04571
3909	592·06567	07678	08789	09900	11011	12122	13233	14343	15454	16565	04532
3910	·17676	18786	19897	21008	22118	23229	24339	25450	26561	27671	04532
3911	·28782	29892	31002	32113	33223	34333	35444	36554	37664	38774	04532
3912	·39885	40995	42105	43215	44325	45435	46545	47655	48765	49875	04532
3913	·50985	52095	53204	54314	55424	56534	57644	58753	59863	60973	04493
3914	·62082	63192	64301	65411	66520	67630	68739	69849	70958	72067	04493
3915	·73177	74286	75395	76504	77614	78723	79832	80941	82050	83159	04493
3916	·84268	85377	86486	87595	88704	89813	90922	92031	93140	94248	04453
3917	·95357	96466	97574	98683	99792	00901	02009	03118	04226	05335	04453
3918	593·06443	07552	08660	09768	10877	11985	13093	14202	15310	16418	04453
3919	·17526	18635	19743	20851	21959	23067	24175	25283	26391	27499	04414
3920	·28607	29714	30822	31930	33038	34146	35254	36361	37469	38577	04414
3921	·39684	40791	41899	43007	44114	45222	46329	47437	48544	49652	04414
3922	·50759	51866	52974	54081	55188	56295	57402	58510	59616	60724	04414
3923	·61831	62938	64045	65152	66259	67376	68473	69579	70686	71793	04375
3924	·72900	74007	75114	76220	77327	78433	79540	80647	81753	82859	04375
3925	·83966	85073	86179	87285	88392	89498	90604	91711	92817	93923	04375
3926	·95030	96136	97242	98348	99454	00560	01666	02772	03878	04984	04336
3927	594·06090	07196	08302	09408	10514	11619	12725	13831	14937	16042	04336
3928	·17148	18254	19359	20465	21570	22676	23781	24887	25992	27098	04336
3929	·28203	29308	30413	31519	32624	33729	34835	35940	37045	38150	04296
3930	·39255	40360	41465	42570	43675	44780	45885	46990	48095	49200	04296
3931	·50304	51409	52514	53619	54723	55828	56933	58037	59142	60246	04296
3932	·61351	62455	63560	64664	65769	66873	67977	69082	70186	71290	04296
3933	·72395	73499	74603	75707	76811	77915	79020	80124	81228	82332	04296
3934	·83436	84540	85643	86747	87851	88955	90059	91163	92266	93370	04257
3935	·94474	95577	96681	97785	98888	99991	01095	02199	03302	04406	04257
3936	595·05509	06612	07716	08819	09922	11026	12129	13232	14335	15438	04257
3937	·16541	17645	18748	19851	20954	22057	23160	24263	25365	26468	04218
3938	·27571	28674	29777	30879	31982	33085	34188	35290	36393	37495	04218
3939	·38598	39701	40803	41906	43008	44110	45213	46315	47418	48520	04218
3940	·49622	50724	51826	52929	54031	55133	56235	57337	58439	59541	04218
3941	·60643	61745	62847	63949	65051	66153	67255	68357	69459	70560	04178
3942	·71662	72764	73865	74967	76069	77170	78272	79373	80475	81576	04178
3943	·82678	83779	84881	85982	87083	88185	89286	90387	91488	92589	04178
3944	·93691	94792	95893	96994	98095	99196	00297	01398	02499	03600	04178
3945	596·04701	05802	06902	08003	09104	10205	11305	12406	13507	14607	04139
3946	·15708	16809	17909	19010	20110	21211	22311	23412	24512	25612	04139
3947	·26713	27813	28913	30013	31114	32214	33314	34414	35514	36614	04139
3948	·37714	38814	39914	41014	42114	43214	44314	45414	46514	47614	04099
3949	·48713	49813	50913	52013	53112	54212	55311	56411	57511	58610	04099

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3950	596.59709	69809	61908	63008	64107	65207	66306	67405	68504	69604	04099
3951	.70703	71802	72901	74000	75099	76198	77298	78397	79496	80595	04099
3952	.81694	82793	83891	84990	86089	87188	88287	89385	90484	91583	04099
3953	.92681	93780	94879	95977	97076	98174	99273	00371	01469	02568	04099
3954	597.03666	04765	05863	06961	08059	09158	10256	11354	12453	13551	04099
3955	.14649	15746	16845	17943	19041	20139	21236	22335	23433	24530	04098
3956	.25628	26726	27824	28922	30019	31117	32215	33312	34410	35507	04098
3957	.36605	37703	38800	39898	40995	42092	43189	44287	45384	46482	04098
3958	.47579	48676	49773	50871	51968	53065	54162	55259	56356	57453	04098
3959	.58550	59647	60744	61841	62938	64035	65132	66228	67325	68422	03981
3960	.69519	70615	71712	72809	73905	75002	76098	77195	78291	79388	03981
3961	.80484	81581	82677	83773	84870	85966	87062	88159	89255	90351	03981
3962	.91447	92543	93639	94735	95832	96928	98024	99119	00215	01311	03981
3963	598.02407	03503	04599	05695	06790	07886	08982	10078	11173	12269	03941
3964	.13365	14460	15556	16655	17747	18842	19937	21033	22128	23224	03941
3965	.24319	25414	26510	27605	28700	29795	30891	31986	33081	34176	03941
3966	.35271	36366	37461	38556	39651	40746	41841	42936	44030	45125	03901
3967	.46220	47315	48410	49504	50599	51693	52788	53883	54977	56072	03901
3968	.57166	58261	59355	60450	61544	62638	63733	64827	65921	67016	03901
3969	.68109	69204	70298	71392	72486	73581	74675	75769	76863	77957	03901
3970	.79051	80145	81239	82332	83426	84520	85614	86707	87801	88895	03862
3971	.89989	91082	92176	93269	94363	95456	96550	97644	98737	99831	03862
3972	599.00924	02017	03111	04204	05297	06391	07484	08577	09670	10763	03862
3973	.11856	12949	14043	15136	16229	17322	18415	19508	20601	21693	03822
3974	.22786	23879	24972	26065	27157	28250	29343	30435	31528	32621	03822
3975	.33713	34806	35898	36991	38083	39176	40268	41361	42453	43545	03822
3976	.44637	45730	46822	47914	49006	50099	51191	52283	53375	54467	03822
3977	.55559	56651	57743	58835	59927	61019	62111	63203	64294	65386	03782
3978	.66478	67569	68661	69753	70845	71936	73028	74119	75211	76302	03782
3979	.77394	78485	79577	80668	81760	82851	83942	85034	86125	87216	03782
3980	.88307	89398	90490	91581	92672	93763	94854	95945	97036	98127	03782
3981	.99217	00309	01399	02490	03581	04672	05763	06854	07944	09034	03742
3982	600.10125	11216	12307	13397	14487	15578	16669	17759	18850	19940	03742
3983	.21031	22121	23211	24301	25392	26482	27572	28662	29753	30843	03742
3984	.31933	33023	34113	35203	34293	36383	38473	39562	40652	41742	702
3985	.42833	43922	45012	46102	47192	48281	49371	50461	51550	52640	03702
3986	.53729	54819	55908	56998	58087	59177	60266	61356	62445	63534	03702
3987	.64623	65713	66802	67891	68980	70070	71158	72247	73336	74426	03702
3988	.75515	76604	77693	78782	79871	80960	82048	83137	84226	85315	03662
3989	.86404	87492	88581	89669	90758	91847	92935	94024	95113	96201	03662
3990	.97289	98378	99466	00555	01643	02732	03820	04908	05996	07085	03662
3991	601.08173	09261	10349	11437	12525	13613	14701	15789	16877	17965	03662
3992	.19053	20141	21229	22317	23405	24492	25580	26667	27756	28843	03622
3993	.29931	31019	32106	33194	34281	35369	36456	37544	38631	39719	03622
3994	.40806	41893	42981	44068	45155	46243	47330	48417	49504	50591	03622
3995	.51678	52765	53853	54939	56027	57114	58200	59287	60374	61461	03582
3996	.62547	63635	64722	65808	66895	67982	69068	70155	71242	72328	03582
3997	.73415	74501	75587	76674	77761	78847	79934	81020	82106	83192	03582
3998	.84279	85365	86451	87537	88624	89710	90796	91882	92968	94054	03542
3999	.95140	96226	97312	98398	99484	00570	01656	02742	03827	04913	03542

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Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
4000	602.05999	07085	08171	09256	10342	11427	12513	13599	14684	15770	03542
4001	.16855	17941	19026	20111	21197	22282	23367	24453	25538	26623	03542
4002	.27708	28794	29879	30964	32049	33134	34219	35304	36389	37474	03542
4003	.38559	39644	40729	41814	42898	43983	45068	46153	47238	48322	03502
4004	.49407	50492	51576	52661	53745	54830	55914	56999	58083	59167	03502
4005	.60252	61336	62421	63505	64589	65674	66758	67842	68926	70010	03502
4006	.71094	72179	73263	74347	75431	76515	77599	78683	79767	80850	03462
4007	.81934	83018	84102	85186	86269	87353	88437	89520	90604	91688	03462
4008	.92771	93855	94938	96022	97105	98189	99272	00356	01439	02522	03462
4009	603.03606	04689	05772	06855	07939	09022	10105	11188	12271	13354	03462
4010	.14437	15520	16603	17686	18769	19852	20935	22018	23101	24183	03422
4011	.25266	26349	27432	28514	29597	30679	31762	32845	33927	35010	03422
4012	.36092	37175	38257	39340	40422	41504	42587	43669	44751	45834	03422
4013	.46916	47998	49080	50163	51245	52327	53409	54491	55573	56655	03422
4014	.57737	58818	59901	60983	62064	63146	64228	65309	66392	67473	03382
4015	.68555	69636	70718	71799	72881	73963	75044	76126	77207	78289	03382
4016	.79370	80452	81533	82614	83696	84777	85858	86940	88021	89102	03382
4017	.90183	91264	92345	93426	94507	95588	96669	97750	98831	99912	03382
4018	604.00993	02074	03155	04236	05317	06397	07478	08559	09639	10720	03342
4019	.11801	12881	13962	15042	16123	17203	18284	19364	20445	21525	03342
4020	.22605	23686	24766	25846	26926	28007	29087	30167	31247	32327	03342
4021	.33407	34487	35567	36647	37727	38807	39887	40967	42047	43127	03302
4022	.44206	45286	46366	47445	48525	49605	50685	51764	52844	53924	03302
4023	.55003	56083	57162	58242	59321	60400	61479	62559	63639	64717	03302
4024	.65797	66876	67955	69034	70114	71193	72272	73351	74430	75509	03302
4025	.76588	77667	78745	79825	80904	81983	83062	84140	85219	86298	03261
4026	.87377	88455	89534	90613	91692	92770	93849	94927	96006	97084	03261
4027	.98163	99241	00319	01398	02476	03554	04633	05711	06789	07868	03261
4028	605.08946	10024	11102	12180	13258	14337	15415	16493	17571	18649	03261
4029	.19726	20804	21882	22960	24038	25116	26194	27271	28349	29427	03221
4030	.30504	31582	32659	33737	34815	35893	36970	38047	39125	40202	03221
4031	.41279	42357	43434	44512	45589	46666	47744	48821	49898	50975	03221
4032	.52052	53129	54206	55283	56361	57438	58514	59591	60668	61745	03181
4033	.62822	63899	64976	66053	67129	68206	69283	70359	71436	72513	03181
4034	.73589	74666	75742	76819	77895	78971	80048	81125	82201	83278	03181
4035	.84354	85430	86506	87583	88659	89735	90811	91887	92963	94039	03181
4036	.95116	96192	97268	98344	99420	00496	01571	02647	03723	04799	03140
4037	606.05875	06951	08026	09102	10178	11253	12329	13405	14480	15556	03140
4038	.16631	17707	18782	19858	20933	22009	23084	24159	25234	26310	03140
4039	.27385	28460	29535	30611	31686	32761	33836	34911	35986	37061	03140
4040	.38136	39211	40286	41261	42436	43511	44586	45661	46735	47810	03100
4041	.48885	49960	51034	52109	53184	54258	55333	56407	57482	58556	03100
4042	.59631	60705	61780	62854	63928	65003	66077	67151	68226	69300	03100
4043	.70374	71448	72522	73596	74670	75744	76819	77893	78967	80041	03100
4044	.81115	82189	83262	84336	85410	86484	87557	88631	89705	90779	03059
4045	.91853	92926	93999	95073	96147	97220	98294	99367	00441	01514	03059
4046	607.02588	03661	04734	05808	06881	07954	09027	10101	11174	12247	03059
4047	.13320	14393	15466	16539	17613	18686	19759	20831	21905	22977	03019
4048	.24050	25123	26196	27269	28341	29414	30487	31560	32632	33705	03019
4049	.34777	35850	36923	37995	39067	40140	41213	42285	43357	44430	03019

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Num.	0	1	2	3	4	5	6	7	8	9	Lo. D 3
3550	607·45502	46575	47647	48719	49791	50864	51936	53008	54080	55152	03019
3551	·56224	57296	58368	59440	60512	61584	62656	63728	64800	65871	02978
3552	·66943	68015	69087	70159	71231	72302	73374	74446	75517	76589	02978
3553	·77660	78732	79803	80875	81946	83018	84089	85160	86231	87303	02978
3554	·88374	89446	90517	91588	92659	93730	94801	95873	96944	98015	02978
4055	·99086	00157	01228	02299	03369	04441	05511	06582	07653	08724	02938
4056	608·09795	10865	11936	13007	14077	15148	16219	17289	18359	19430	02938
4057	·20501	21571	22642	23712	24782	25853	26923	27994	29064	30134	02938
4058	·31204	32274	33345	34415	35485	36555	37625	38695	39765	40835	02938
4059	·41905	42975	44045	45115	46185	47255	48324	49394	50464	51534	02897
4060	·52603	53673	54743	55812	56882	57951	59021	60091	61160	62229	02897
4061	·63299	64368	65438	66507	67576	68646	69715	70784	71854	72923	02897
4062	·73992	75061	76130	77199	78268	79337	80406	81475	82544	83613	02897
4063	·84682	85751	86819	87889	88958	90026	91095	92164	93233	94301	02857
4064	·95369	96439	97507	98576	99644	00713	01781	02849	03918	04987	02857
4065	609·06055	07123	08192	09260	10328	11397	12465	13533	14601	15669	02857
4066	·16737	17806	18874	19942	21009	22078	23146	24214	25281	26349	02816
4067	·27417	28485	29552	30621	31688	32756	33824	34892	35959	37027	02816
4068	·38094	39162	40229	41297	42365	43432	44499	45567	46634	47702	02816
4069	·48769	49836	50904	51971	53038	54105	55172	56239	57307	58374	02816
4070	·59441	60508	61575	62642	63709	64776	65843	66909	67977	69043	02775
4071	·70110	71177	72244	73311	74377	75444	76511	77577	78644	79710	02775
4072	·80777	81844	82909	83976	85043	86109	87176	88242	89308	90375	02775
4073	·91441	92507	93574	94639	95706	96772	97838	98904	99970	01036	02775
4074	610·02102	03168	04234	05300	06366	07432	08498	09564	10629	11696	02734
4075	·12761	13827	14893	15958	17024	18089	19155	20221	21287	22352	02734
4076	·23418	24483	25548	26614	27679	28745	29810	30875	31941	33006	02734
4077	·34071	35136	36202	37267	38332	39397	40462	41527	42592	43657	02734
4078	·44722	45787	46852	47916	48982	50047	51111	52176	53241	54306	02694
4079	·55370	56435	57499	58565	59629	60694	61758	62823	63887	64952	02694
4680	·66016	67081	68145	69209	70274	71338	72403	73467	74531	75595	02694
4081	·76659	77724	78788	79852	80916	81980	83044	84108	85172	86236	02694
4082	·87300	88364	89428	90492	91556	92619	93683	94747	95811	96874	02653
4083	·97938	99002	00065	01129	02192	03256	04319	05383	06446	07509	02653
4084	611·08573	09637	10700	11763	12827	13890	14953	16017	17079	18143	02653
4085	·19206	20269	21332	22395	23458	24521	25584	26647	27710	28773	02653
4086	·29836	30899	31962	33025	34088	35150	36213	37276	38338	39401	02612
4087	·40464	41526	42589	43652	44714	45776	46839	47902	48964	50026	02612
4088	·51089	52151	53213	54276	55338	56400	57462	58525	59587	60649	02612
4089	·61711	62773	63835	64897	65959	67021	68083	69145	70207	71269	02571
4095	·72331	73393	74454	75516	76578	77639	78701	79763	80825	81886	02571
4096	·82948	84009	85071	86133	87194	88256	89317	90378	91439	92501	02571
4097	·93563	94624	95685	96746	97808	98869	99929	00991	02052	03113	02571
4098	·04174	05236	06296	07358	08419	09479	10540	11601	12662	13723	02530
4099	612·14784	15845	16905	17966	19027	20088	21148	22209	23269	24330	02530
4090	·25391	26451	27512	28572	29633	30693	31753	32814	33874	34934	02530
4091	·35995	37055	38115	39176	40236	41296	42356	43416	44476	45536	02530
4092	·46596	47656	48716	49776	50836	51896	52956	54016	55076	56136	02489
4093	·57195	58255	59315	60375	61434	62494	63554	64613	65673	66732	02489
4094	·67792	68851	69911	70971	72029	73089	74148	75208	76267	77326	02489

Num	0	1	2	3	4	5	6	7	8	9	Lo.D 3
4100	612.78386	79445	80504	81563	82622	83682	84741	85800	86859	87918	02489
4101	.88977	90036	91095	92154	93213	94272	95330	96389	97948	98507	02448
4102	613.99566	00624	01683	02742	03800	04859	05917	06976	08035	09093	02448
4103	.10152	11210	12269	13327	14385	15444	16502	17560	18619	19677	02448
4104	.20735	21793	22852	23910	24968	26026	27084	28142	29200	30258	02448
4105	.31316	32374	33432	34490	35548	36606	37663	38721	39779	40837	02407
4106	.41895	42952	44010	45067	46125	47183	48240	49298	50355	51413	02407
4107	.52470	53528	54585	55643	56700	57757	58815	59872	60929	61986	02407
4108	.63043	64101	65158	66215	67272	68329	69386	70443	71500	72557	02407
4109	.73614	74671	75728	76785	77842	78898	79955	81012	82069	83125	02366
4110	.84182	85239	86295	87352	88409	89465	90522	91578	92635	93691	02366
4111	.94748	95804	96860	97917	98973	00029	01086	02142	03198	04254	02366
4112	614.05311	06367	07423	08479	09535	10591	11647	12703	13759	14815	02366
4113	.15871	16927	17983	19039	20094	21150	22206	23262	24317	25373	02325
4114	.26429	27484	28540	29596	30651	31707	32762	33818	34873	35929	02325
4115	.36984	38039	39095	40150	41205	42261	43316	44371	45426	46481	02325
4116	.47536	48591	49647	50702	51757	52812	53867	54922	55977	57032	02325
4117	.58087	59142	60196	61251	62306	63361	64415	65470	66524	67580	c2284
4118	.68634	69689	70743	71798	72853	73907	74961	76016	77070	78125	02284
4119	.79179	80234	81288	82342	83396	84451	85505	86559	87613	88667	02284
4120	.89722	90776	91830	92884	93938	94992	96046	97100	98154	99208	02242
4121	615.00261	01315	02369	03423	04477	05530	06584	07638	08691	09745	02242
4122	.10799	11852	12906	13959	15013	16066	17120	18173	19227	20280	02242
4123	.21333	22387	23440	24493	25547	26600	27653	28706	29759	30813	02242
4124	.31866	32918	33972	35025	36078	37131	38184	39237	40290	41342	02201
4125	.42395	43448	44501	45554	46606	47659	48712	49765	50817	51870	02201
4126	.52922	53975	55027	56080	57132	58185	59237	60290	61342	62395	02201
4127	.63447	64499	65551	66604	67656	68708	69760	70812	71865	72917	02201
4128	.73969	75021	76073	77125	78177	79229	80281	81333	82384	83436	02160
4129	.84488	85540	86592	87643	88695	89747	90799	91850	92902	93954	02160
4130	.95005	96057	97108	98160	99211	00263	01314	02365	03417	04468	02160
4131	616.05519	06571	07622	08673	09723	10775	11827	12878	13929	14980	02160
4132	.16031	17082	18133	19184	20235	21286	22337	23388	24438	25490	02118
4133	.26541	27591	28642	29693	30744	31794	32845	33895	34946	35997	02118
4134	.37047	38098	39148	40199	41249	42299	43350	44400	45451	46501	02118
4135	.47551	48602	49652	50702	51752	52803	53853	54903	55953	57003	02118
4136	.58053	59103	60153	61203	62253	63303	64353	65403	66452	67502	02077
4137	.68552	69602	70652	71701	72751	73801	74850	75899	76949	77999	02077
4138	.79048	80098	81148	82197	83247	84296	85345	86395	87444	88493	02077
4139	.89543	90592	91641	92690	93739	94789	95838	96887	97936	98985	02077
4140	617.00034	01083	02132	03181	04230	05279	06328	07277	08425	09474	02036
4141	.10523	11572	12621	13669	14718	15767	16815	17864	18912	19961	02035
4142	.21009	22058	23106	24155	25203	26252	27300	28348	29397	30445	02036
4143	.31493	32542	33590	34638	35686	36734	37782	38831	39879	40927	02036
4144	.41975	43023	44071	45119	46167	47214	48262	49310	50357	51406	01994
4145	.52453	53501	54549	55597	56644	57692	58740	59787	60835	61882	01994
4146	.62930	63977	65025	66072	67120	68167	69214	70262	71309	72356	01994
4147	.73404	74451	75498	76545	77592	78639	79686	80734	81781	82828	01994
4148	.83874	84922	85969	87016	88063	89109	90156	91203	92250	93297	01953
4149	.94393	95390	96437	97484	98530	99577	00624	01670	02716	03763	01953

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D 3
4150	618.04809	05856	06903	07949	08995	10042	11088	12135	13181	14227	01953
4151	.15273	16319	17366	18412	19458	20504	21550	22596	23642	24688	01953
4152	.25734	26780	27826	28872	29918	30964	32009	33056	34102	35147	01911
4153	.36193	37239	38285	39330	40376	41421	42467	43513	44558	45604	01911
4154	.46649	47695	48740	49786	50831	51876	52922	53967	55012	56058	01911
4155	.57103	58148	59193	60238	61284	62329	63374	64419	65464	66509	01911
4156	.67554	68599	69644	70689	71734	72778	73823	74868	75913	76958	01870
4157	.78002	79047	80092	81137	82181	83226	84270	85315	86359	87404	01870
4158	.88449	89493	90537	91582	92626	93671	94715	95759	96804	97848	01870
4159	.98892	99936	00980	02025	03068	04113	05157	06201	07245	08289	01870
4160	619.09333	10377	11421	12465	13509	14553	15596	16640	17684	18728	01828
4161	.19772	20815	21859	22903	23946	24989	26033	27077	28121	29164	01828
4162	.30208	31251	32294	33338	34381	35425	36468	37511	38555	39598	01828
4163	.40641	41684	42727	43771	44814	45857	46899	47943	48986	50029	01828
4164	.51072	52115	53158	54201	55244	56287	57329	58372	59415	60458	01828
4165	.61501	62543	63586	64629	65671	66714	67756	68799	69842	70884	01786
4166	.71927	72969	74011	75054	76096	77139	78181	79223	80266	81308	01786
4167	.82350	83392	84434	85477	86519	87561	88603	89645	90687	91729	01786
4168	.92771	93813	94855	95897	96939	97980	99022	00064	01106	02148	01745
4169	620.03189	04231	05273	06315	07356	08398	09439	10481	11523	12564	01745
4170	.13606	14647	15688	16729	17771	18813	19854	20895	21936	22978	01745
4171	.24019	25060	26101	27143	28184	29225	30266	31307	32348	33389	01745
4172	.34429	35471	36512	37553	38594	39635	40675	41716	42757	43798	01703
4173	.44838	45879	46919	47961	49001	50042	51082	52123	53163	54204	01703
4174	.55244	56285	57325	58366	59406	60447	61487	62527	63567	64608	01703
4175	.65648	66688	67728	68769	69809	70849	71889	72929	73969	75009	01703
4176	.76049	77089	78129	79169	80209	81249	82288	83328	84368	85408	01661
4177	.86448	87487	88527	89567	90606	91646	92686	93725	94765	95804	01661
4178	.96844	97883	98922	99962	01001	02041	03079	04119	05159	06198	01661
4179	621.07237	08276	09316	10355	11394	12433	13472	14511	15550	16589	01661
4180	.17628	18667	19706	20745	21784	22823	23862	24900	25939	26978	01619
4181	.28017	29055	30094	31133	32171	33210	34249	35287	36326	37364	01619
4182	.38403	39441	40479	41518	42557	43595	44633	45672	46709	47748	01619
4183	.48786	49825	50863	51901	52939	53977	55015	56054	57092	58129	01619
4184	.59168	60206	61244	62281	63319	64357	65395	66433	67470	68508	01577
4185	.69546	70584	71622	72659	73697	74735	75772	76809	77847	78885	01577
4186	.79922	80959	81997	83035	84072	85109	86147	87184	88222	89259	01577
4187	.90296	91333	92371	93408	94444	95482	96519	97556	98593	99630	01577
4188	622.00667	01704	02741	03778	04815	05852	06889	07926	08962	09999	01535
4189	.11036	12073	13109	14146	15183	16219	17256	18293	19329	20366	01535
4190	.21402	22439	23475	24512	25548	26585	27621	28657	29694	30729	01535
4191	.31766	32802	33839	34875	35911	36947	37983	39019	40055	41091	01535
4192	.42127	43163	44199	45235	46271	47307	48343	49379	50415	51450	01494
4193	.52486	53522	54558	55593	56629	57665	58700	59736	60772	61807	01494
4194	.62843	63878	64914	65949	66984	68019	69055	70091	71126	72161	01494
4195	.73197	74232	75227	76302	77337	78373	79408	80443	81478	82513	01494
4196	.83548	84583	85618	86653	87688	88723	89758	90792	91827	92862	01452
4197	.93897	94932	95966	97001	98036	99070	00105	01139	02174	03209	01452
4198	623.04243	05278	06312	07347	08381	09416	10450	11485	12519	13553	01452
4199	.14587	15622	16656	17690	18724	19759	20793	21827	22861	23895	01452

Chiliades centum Logarithmorum.

Num	0	1	2	3	4	5	6	7	8	9	Lo.D. 3
4200	623.24929	25963	26997	28031	29065	30099	31133	32167	33201	34234	01410
4201	.35268	36302	37336	38369	39403	40437	41470	42504	43538	44571	01410
4202	.45605	46638	47672	48705	49739	50772	51806	52839	53872	54906	01410
4203	.55939	56972	58006	59039	60072	61105	62138	63171	64205	65238	01410
4204	.66271	67304	68337	69369	70403	71436	72469	73501	74534	75567	01367
4205	.76600	77633	78666	79698	80731	81764	82796	83829	84862	85894	01367
4206	.86927	87959	88991	90024	91057	92089	93122	94154	95187	96219	01367
4207	.97252	98284	99316	00348	01380	02412	03445	04477	05509	06541	01367
4208	624.07573	08605	09637	10669	11701	12733	13765	14797	15829	15861	01325
4209	.17893	18924	19956	20988	22019	23051	24083	25115	26146	27178	01325
4210	.28209	29241	30273	31304	32336	33367	34399	35430	36461	37493	01325
4211	.38524	39555	40587	41618	42649	43681	44712	45743	46774	47805	01325
4212	.48836	49867	50898	51929	52960	53991	55022	56053	57084	58115	01283
4213	.59146	60177	61208	62238	63269	64299	65331	66361	67391	68423	01283
4214	.69453	70484	71514	72545	73575	74606	75636	76667	77697	78728	01283
4215	.79758	80788	81819	82849	83879	84909	85939	86969	87999	89030	01283
4216	.90060	91090	92120	93150	94180	95210	96240	97270	98300	99330	01241
4217	625.00360	01389	02419	03449	04479	05509	06539	07569	08598	09628	01241
4218	.10658	11687	12717	13746	14776	15805	16835	17864	18894	19923	01241
4219	.20953	21982	23011	24041	25069	26099	27128	28158	29187	30216	01241
4220	.31245	32274	33303	34332	35361	36390	37419	38448	39477	40506	01241
4221	.41535	42564	43593	44622	45651	46679	47708	48737	49766	50794	01199
4222	.51823	52852	53880	54909	55937	56966	57994	59022	60051	61079	01199
4223	.62108	63137	64165	65193	66222	67249	68278	69306	70335	71363	01199
4224	.72391	73419	74447	75475	76503	77531	78559	79587	80615	81643	01199
4225	.82671	83669	84727	85755	86783	87811	88838	89866	90894	91922	01157
4226	.92949	93977	95005	96032	97059	98087	99115	00142	01169	02197	01157
4227	626.03225	04252	05279	06307	07334	08362	09389	10416	11443	12471	01157
4228	.13498	14525	15552	16579	17606	18633	19661	20688	21715	22742	01157
4229	.23769	24795	25822	26849	27876	28903	29929	30957	31983	33010	01114
4230	.34037	35063	36090	37117	38143	39169	40197	41223	42249	43276	01114
4231	.44302	45329	46355	47381	48408	49435	50461	51487	52513	53539	01114
4232	.54565	55592	56618	57644	58671	59697	60723	61749	62775	63801	01114
4233	.64827	65853	66879	67905	68931	69956	70982	72008	73034	74059	01072
4234	.75085	76111	77137	78162	79088	80214	81239	82265	83290	84316	01072
4235	.85341	86367	87392	88418	89443	90468	91494	92519	93545	94569	01072
4236	.95595	96620	97646	98671	99696	00721	01746	02771	03796	04821	01072
4237	627.05846	06871	07896	08921	09946	10971	11996	13021	14046	15070	01072
4238	.16095	17119	18145	19169	20194	21219	22243	23268	24293	25317	01029
4239	.26342	27366	28391	29415	30439	31464	32488	33513	34537	35561	01029
4240	.36586	37609	38634	39658	40683	41707	42731	43755	44779	45803	01029
4241	.46827	47851	48875	49899	50923	51947	52971	53995	55019	56043	00987
4242	.57056	58090	59114	60138	61161	62185	63208	64232	65256	66279	00987
4243	.67303	68327	69350	70374	71397	72421	73444	74467	75491	76514	00987
4244	.77538	78561	79584	80607	81631	82654	83677	84700	85723	86746	00987
4245	.87769	88793	89816	90839	91862	92885	93907	94930	95953	96976	00945
4246	.97999	99022	00045	01067	02090	03113	04136	05158	06181	07204	00945
4247	628.08226	09249	10271	11294	12316	13339	14361	15384	16406	17428	00945
4248	.18451	19473	20495	21518	22540	23562	24584	25607	26629	27651	00945
4249	.28673	29695	30717	31739	32761	33783	34805	35827	36849	37871	00902

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D 3
4250	628.38893	39915	40937	41959	42980	44002	45054	46046	47067	48089	00902
4251	.49111	50132	51154	52175	53197	54218	55240	56261	57283	58304	00902
4252	.59325	60347	61368	62390	63411	64432	65453	66475	67496	68517	00902
4253	.69538	70559	71581	72602	73623	74644	75665	76686	77707	78728	00902
4254	.79749	80769	81790	82811	83832	84853	85874	86894	87915	88936	00860
4255	.89956	90977	91997	93018	94039	95059	96080	97101	98121	99141	00860
4256	629.00162	01182	02203	03223	04243	05264	06284	07304	08325	09345	00860
4257	.10365	11385	12405	13425	14446	15466	16486	17506	18526	19546	00860
4258	.20566	21586	22606	23625	24645	25665	26685	27705	28725	29744	00817
4259	.30764	31784	32803	33823	34843	35862	36882	37901	38921	39940	00817
4260	.40960	41979	42999	44018	45038	46057	47076	48096	49115	50134	00817
4261	.51153	52173	53192	54211	55230	56249	57268	58287	59307	60326	00817
4262	.61345	62363	63382	64401	65420	66439	67458	68477	69496	70515	00774
4263	.71533	72552	73571	74589	75608	76627	77645	78664	79683	80701	00774
4264	.81720	82738	83757	84775	85793	86812	87830	88849	89867	90885	00774
4265	.91904	92922	93940	94958	95976	96995	98013	99031	00049	01067	00774
4266	630.02085	03103	04121	05139	06157	07175	08193	09211	10229	11246	00732
4267	.12264	13282	14300	15317	16335	17353	18371	19388	20406	21424	00732
4268	.22441	23459	24476	25494	26511	27528	28546	29563	30580	31598	00732
4269	.32615	33633	34650	35667	36685	37702	38719	39736	40753	41770	00732
4270	.42788	43805	44822	45839	46856	47873	48889	49907	50923	51940	00689
4271	.52957	53974	54991	56008	57024	58041	59058	60074	61091	62108	00689
4272	.63124	64141	65157	66174	67191	68207	69224	70249	71257	72273	00689
4273	.73289	74306	75322	76338	77354	78371	79387	80403	81419	82436	00689
4274	.83452	84468	85484	86500	87516	88532	89548	90564	91580	92596	00689
4275	.93612	94627	95644	96659	97675	98691	99707	00723	01738	02754	00646
4276	631.03770	04785	05801	06816	07832	08848	09863	10879	11894	12910	00646
4277	.13925	14940	15956	16971	17986	19002	20017	21032	22048	23063	00646
4278	.24078	25093	26108	27123	28138	29154	30169	31184	32199	33214	00646
4279	.34229	35244	36258	37273	38288	39303	40318	41333	42347	43262	00603
4280	.44377	45392	46406	47421	48435	49450	50465	51479	52494	53508	00603
4281	.54523	55537	56552	57566	58580	59595	60609	61623	62638	63652	00603
4282	.64666	65681	66695	67709	68723	69737	70751	71765	72779	73793	00603
4283	.74807	75821	76835	77849	78863	79877	80891	81905	82919	83932	00603
4284	.84946	85960	86974	87987	89001	90015	91028	92042	93055	94069	00560
4285	.95083	96096	97110	98123	99136	00150	01163	02177	03190	04203	00560
4286	632.05217	06230	07243	08256	09270	10283	11296	12309	13322	14335	00560
4287	.15348	16361	17374	18387	19400	20413	21426	22439	23452	24465	00560
4288	.25478	26490	27503	28516	29529	30541	31554	32567	33579	34592	00518
4289	.35605	36617	37630	38642	39655	40667	41680	42692	43704	44717	00518
4290	.45729	46742	47754	48766	49778	50791	51803	52815	53827	54839	00518
4291	.55851	56863	57876	58888	59900	60912	61924	62936	63947	64959	00475
4292	.65971	66983	67995	69007	70019	71030	72042	73054	74065	75077	00475
4293	.76089	77100	78112	79124	80135	81147	82158	83170	84181	85193	00475
4294	.86204	87215	88227	89238	90249	91261	92272	93283	94294	95306	00475
4295	.96317	97328	98339	99350	00361	01372	02383	03394	04405	05416	00475
4296	633.06427	07438	08449	09460	10471	11482	12492	13503	14514	15525	00432
4297	.16535	17546	18557	19567	20578	21589	22599	23610	24620	25631	00432
4298	.26642	27652	28662	29672	30683	31693	32703	33714	34724	35734	00432
4299	.36745	37755	38765	39775	40785	41795	42805	43815	44826	45836	00432

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4300	633.46846	47856	48865	49875	50885	51895	52905	53915	54925	55934	00389
4301	.56944	57954	58964	59973	60983	61993	63002	64012	65022	66031	00389
4302	.67041	68050	69059	70069	71078	72088	73097	74107	75116	76125	00389
4303	.77135	78144	79153	80162	81172	82181	83189	84199	85208	86217	00389
4304	.87226	88235	89244	90253	91262	92271	93280	94289	95298	96307	00346
4305	.97316	98324	99333	00342	01351	02359	03368	04377	05385	06394	00346
4306	634.07403	08411	09419	10428	11437	12445	13454	14462	15470	16479	00346
4307	.17487	18496	19504	20512	21520	22529	23537	24545	25553	26561	00346
4308	.27569	28578	29586	30594	31602	32609	33618	34626	35634	36642	00302
4309	.37649	38657	39665	40673	41681	42689	43696	44704	45712	46719	00302
4310	.47727	48735	49742	50749	51757	52765	53772	54779	55787	56795	00302
4311	.57802	58809	59817	60824	61832	62839	63846	64854	65861	66868	00302
4312	.67875	68882	69889	70897	71904	72911	73918	74925	75932	76939	00302
4313	.77946	78953	79959	80967	81973	82980	83987	84994	86001	87007	00259
4314	.88014	89021	90027	91034	92041	93047	94054	95060	96067	97074	00259
4315	.98080	99086	00093	01099	02106	03112	04118	05125	06131	07137	00259
4316	635.08144	09149	10156	11162	12168	13175	14181	15187	16193	17199	00259
4317	.18205	19211	20217	21223	22229	23235	24241	25246	26252	27258	00216
4318	.28264	29269	30275	31281	32287	33292	34298	35304	36309	37315	00216
4319	.38320	39326	40331	41337	42342	43348	44353	45359	46364	47369	00216
4320	.48375	49379	50385	51391	52396	53401	54406	55411	56416	57422	00216
4321	.58427	59432	60437	61442	62447	63452	64457	65462	66467	67471	00173
4322	.68475	69481	70486	71491	72495	73500	74505	75509	76514	77519	00173
4323	.78524	79528	80533	81537	82542	83546	84551	85555	86559	87564	00173
4324	.88569	89573	90577	91582	92586	93590	94594	95599	96603	97607	00173
4325	.98611	99615	00619	01624	02628	01632	04635	05639	06644	07648	00173
4326	636.08652	09655	10659	11663	12667	13671	14675	15678	16682	17686	00130
4327	.18689	19693	20697	21700	22704	23708	24711	25715	26718	27722	00130
4328	.28725	29729	30732	31735	32739	33742	34746	35749	36752	37755	00130
4329	.38759	39762	40765	41768	42771	43774	44777	45781	46784	47787	00130
4330	.48789	49793	50796	51799	52801	53804	54807	55809	56813	57816	00130
4331	.58818	59821	60824	61827	62829	63832	64835	65837	66839	67842	00086
4332	.68845	69847	70849	71852	72855	73857	74859	75862	76864	77867	00086
4333	.78869	79871	80873	81876	82878	83880	84882	85884	86887	87889	00086
4334	.88891	89893	90895	91897	92899	93901	94903	95905	96906	97908	00043
4335	.98910	99912	00914	01916	02917	03919	04921	05922	06924	07926	00043
4336	637.08927	09929	10931	11932	12934	13935	14937	15938	16939	17941	00043
4337	.18942	19944	20945	21946	22948	23949	24950	25951	26952	27954	00043
4338	.28955	29956	30957	31958	32959	33960	34961	35962	36963	37964	00043
4339	.38965	39966	40967	41968	42968	43969	44970	45971	46972	47972	00000
4340	.48973	49974	50974	51975	52975	53976	54976	55977	56977	57978	00000
4341	.58978	59979	60979	61979	62980	63981	64981	65981	66981	67982	00000
4342	.68982	69982	70982	71982	72982	73982	74982	75983	76983	77983	00000
4343	.78983	79983	80983	81983	82983	83983	84982	85982	86982	87982	99956
4344	.88982	89981	90981	91981	92981	93980	94979	95979	96979	97979	99956
4345	.98978	99978	00977	01977	02976	03975	04975	05974	06974	07973	99956
4346	638.08972	09971	10971	11969	12969	13968	14968	15967	16966	17965	99956
4347	.18964	19963	20962	21961	22960	23959	24958	25957	26956	27955	99913
4348	.28954	29952	30951	31949	32949	33947	34946	35945	36944	37942	99913
4349	.38941	39939	40938	41936	42935	43934	44932	45931	46929	47927	99913

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4350	638.48926	49924	50922	51921	52919	53917	54915	55914	56912	57910	99913
4351	.58908	59906	60904	61903	62901	63899	64897	65895	66893	67891	99913
4352	.68889	69887	70884	71882	72880	73878	74876	75874	76871	77869	99869
4353	.78867	79864	80862	81860	82857	83855	84853	85850	86848	87845	99869
4354	.88842	89840	90837	91835	92832	93829	94826	95824	96821	97819	99869
4355	.98816	99813	00810	01808	02805	03802	04799	05796	06793	07790	99869
4356	639.08787	09784	10781	11778	12775	13772	14769	15766	16762	17759	99825
4357	.18756	19753	20749	21746	22743	23740	24736	25733	26729	27726	99825
4358	.28723	29719	30716	31712	32709	33705	34701	35698	36694	37691	99825
4359	.38687	39683	40679	41676	42672	43668	44664	45661	46657	47653	99825
4360	.48649	49645	50641	51637	52633	53629	54625	55621	56617	57613	99782
4361	.58609	59604	60600	61596	62592	63588	64583	65579	66575	67570	99782
4362	.68566	69562	70557	71553	72548	73544	74539	75535	76530	77526	99782
4363	.78521	79517	80512	81507	82503	83498	84493	85489	86484	87479	99782
4364	.88474	89469	90461	91460	92455	93450	94445	95440	96435	97430	99782
4365	.98425	99420	00415	01410	02404	03399	04394	05389	06384	07378	99738
4366	640.08373	09368	10362	11357	12352	13346	14341	15336	16330	17325	99738
4367	.18319	19314	20308	21303	22297	23291	24286	25280	26274	27269	99738
4368	.28263	29257	30251	31246	32240	33234	34228	35222	36216	37210	99738
4369	.38204	39199	40193	41186	42180	43174	44168	45162	46156	47150	99694
4370	.48144	49137	50131	51125	52119	53112	54106	55100	56093	57087	99694
4371	.58081	59074	60068	61061	62055	63048	64042	65035	66029	67022	99694
4372	.68015	69009	70002	70995	71989	72982	73975	74968	75961	76955	99694
4373	.77948	78941	79934	80927	81920	82913	83906	84899	85892	86885	99694
4374	.87878	88871	89864	90856	91849	92842	93835	94828	95820	96813	99651
4375	.97806	98798	99791	00784	01776	02769	03761	04754	05746	06739	99651
4376	641.07731	08724	09716	10708	11701	12693	13686	14678	15670	16662	99651
4377	.17655	18647	19639	20631	21623	22615	23607	24600	25592	26584	95651
4378	.27576	28568	29560	30552	31544	32535	33527	34519	35511	36503	99607
4379	.37495	38486	39478	40470	41461	42453	43445	44436	45428	46420	99607
4380	.47411	48403	49394	50386	51377	52368	53360	54351	55343	56334	99607
4381	.57325	58317	59308	60299	61290	62282	63273	64264	65255	66246	99607
4382	.67237	68228	69219	70210	71201	72192	73183	74174	75165	76156	99607
4383	.77147	78138	79129	80120	81110	82101	83092	84083	85073	86064	99563
4384	.87055	88045	89036	90026	91016	92007	92998	93988	94979	95969	99563
4385	.96960	97950	98941	99931	00921	01912	02902	03892	04882	05873	99563
4386	642.06863	07853	08843	09833	10823	11813	12803	13793	14783	15773	99563
4387	.16763	17753	18743	19733	20723	21713	22703	23693	24682	25672	99519
4388	.26662	27652	28641	29631	30621	31610	32600	33589	34579	35569	99519
4389	.36558	37548	38537	39527	40516	41505	42495	43484	44473	45463	99519
4390	.46452	47441	48431	49420	50409	51398	52387	53376	54366	55355	99519
4391	.56344	57333	58322	59311	60300	61289	62278	63267	64255	65244	99475
4392	.66233	67222	68211	69200	70188	71177	72166	73154	74143	75132	99475
4393	.76120	77109	78097	79086	80075	81063	82052	83040	84028	85017	99475
4394	.86005	86994	87982	88970	89959	90947	91935	92923	93912	94900	99475
4395	.95888	96876	97864	98852	99840	00828	01816	02804	03792	04780	99475
4396	643.05768	06756	07744	08732	09720	10708	11696	12683	13671	14659	99431
4397	.15647	16634	17622	18610	19597	20585	21572	22560	23547	24535	99431
4398	.25523	26510	27497	28485	29472	30460	31447	32434	33422	34409	99431
4399	.35396	36383	37371	38358	39345	40332	41319	42306	43293	44281	99431

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4400	643·45268	46255	47242	48229	49216	50203	51189	52176	53163	54150	99387
4401	·55137	56124	57110	58097	59084	60071	61057	62044	63031	64017	99387
4402	·65004	65990	66977	67963	68950	69936	70423	71909	72896	73882	99387
4403	·74869	75855	76841	77827	78814	79800	80786	81773	82759	83745	99387
4404	·84731	85717	86703	87689	88675	89661	90647	91633	92619	93605	99387
4405	·94591	95577	96563	97549	98535	99521	00506	01492	02477	03464	99343
4406	644·04449	05435	06421	07406	08392	09377	10363	11349	12334	13320	99343
4407	·14305	15291	16276	17261	18247	19232	20217	21203	22188	23173	99343
4408	·24159	25144	26129	27114	28099	29085	30070	31055	32040	33025	99343
4409	·34010	34995	35980	36965	37950	38935	39920	40904	41889	42874	99299
4410	·43859	44844	45828	46813	47798	48783	49767	50752	51737	52721	99299
4411	·53706	54690	55675	56659	57644	58628	59613	60597	61582	62566	99299
4412	·63550	64535	65519	66503	67488	68472	69456	70440	71424	72409	99299
4413	·73393	74377	75361	76345	77329	78313	79297	80281	81265	82249	99255
4414	·83233	84217	85201	86184	87168	88152	89136	90120	91103	92087	99255
4415	·93071	94054	95038	96022	97005	97989	98972	99956	00939	01923	99255
4416	645·02906	03890	04873	05857	06840	07823	08807	09790	10773	11757	99255
4417	·12740	13723	14706	15690	16673	17656	18639	19622	20605	21588	99211
4418	·22571	23554	24537	25520	26503	27486	28469	29452	30435	31417	99211
4419	·32400	33383	34366	35348	36331	37314	38296	39279	40262	41244	99211
4420	·42227	43209	44192	45175	46157	47139	48122	49104	50087	51069	99211
4421	·52051	53034	54016	54998	55980	56963	57945	58927	59910	60892	99211
4422	·61874	62856	63838	64820	65802	66784	67766	68748	69730	70712	99166
4423	·71694	72676	73658	74640	75621	76603	77585	78567	79548	80530	99166
4424	·81512	82494	83475	84457	85438	86420	87402	88383	89365	90346	99166
4425	·91327	92309	93290	94272	95253	96235	97216	98197	99178	00160	99166
4426	646·01141	02122	03103	04085	05066	06047	07028	08009	08990	09971	99166
4427	·10952	11933	12914	13895	14876	15857	16838	17819	18800	19780	99122
4428	·20761	21742	22723	23704	24684	25665	26646	27626	28607	29587	99122
4429	·30568	31549	32529	33510	34490	35471	36451	37431	38412	39392	99122
4430	·40373	41353	42333	43314	44294	45274	46254	47235	48215	49195	99122
4431	·50175	51155	52135	53115	54095	55075	56055	57035	58015	58995	99122
4432	·59975	60955	61935	62915	63895	64874	65854	66834	67814	68793	99078
4433	·69773	70753	71732	72712	73692	74671	75651	76630	77610	78589	99078
4434	·79569	80548	81527	82507	83487	84466	85445	86425	87404	88383	99078
4435	·89362	90342	91321	92300	93279	94258	95237	96216	97196	98175	99078
4436	·99154	00133	01112	02091	03070	04048	05027	06006	06985	07964	99033
4437	647·08943	09922	10900	11879	12858	13836	14815	15794	16773	17751	99033
4438	·18730	19708	20687	21665	22644	23622	24601	25579	26558	27536	99033
4439	·28514	29493	30471	31449	32428	33406	34384	35362	36341	37319	99033
4440	·38297	39275	40253	41231	42209	43187	44165	45143	46121	47099	99033
4441	·48077	49055	50033	51011	51989	52967	53944	54922	55900	56878	98989
4442	·57855	58833	59811	60788	61766	62744	63721	64699	65676	66654	98989
4443	·67631	68609	69586	70564	71541	72518	73496	74473	75450	76428	98989
4444	·77405	78382	79359	80337	81314	82291	83268	84245	85222	86199	98989
4445	·87176	88154	89131	90107	91085	92061	93038	94015	94992	95969	98944
4446	·96946	97923	98899	99876	00853	01830	02806	03783	04760	05736	98944
4447	648·06713	07690	08666	09643	10619	11596	12572	13549	14525	15501	98944
4448	·16477	17454	18431	19407	20383	21359	22336	25312	24288	25264	98944
4449	·26241	27217	28193	29169	30145	31121	32097	33073	34049	35025	98944

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4450	648.36001	36977	37953	38929	39905	40881	41856	42832	43808	44784	98900
4451	·45759	46735	47711	48687	49662	50638	51613	52589	53565	54540	98900
4452	·55516	56491	57466	58442	59417	60393	61368	62344	63319	64294	98900
4453	·65269	66245	67220	68195	69170	70146	71121	72096	73071	74046	98900
4454	·75021	75996	76571	77946	78921	79896	80871	81846	82821	83796	98855
4455	·84771	85746	86720	87695	88670	89645	90620	91594	92569	93544	98855
4456	·94518	95493	96467	97442	98416	99391	00365	01340	02315	03289	98855
4457	649.04263	05238	06212	07187	08161	09135	10109	11084	12058	13032	98855
4458	·14006	14981	15955	16929	17903	18877	19851	20825	21799	22773	98855
4459	·23747	24721	25695	26669	27643	28617	29591	30565	31538	32512	98811
4460	·33486	34460	35433	36407	37381	38354	39328	40302	41275	42249	98811
4461	·43222	44196	45169	46143	47116	48090	46063	50037	51010	51983	98811
4462	·52957	53930	54903	55876	56850	57823	58796	59769	60742	61716	98811
4463	·62689	63662	64635	65608	66581	67554	68527	69500	70472	71446	98766
4464	·72419	73391	74364	75337	76310	77283	78255	79228	80201	81174	98766
4465	·82146	83119	84092	85064	86037	87009	87982	88954	89927	90899	98766
4466	·91872	92844	93817	94789	95761	96734	97706	98678	99651	00623	98766
4467	650.01595	02567	03540	04512	05484	06456	07428	08400	09372	10344	98766
4468	·11316	12288	13260	14232	15204	16176	17148	18120	19092	20064	98721
4469	·21035	22007	22979	23951	24922	25894	26866	27837	28809	29781	98721
4470	·30752	31724	32695	33667	34638	35610	36581	37553	38524	39496	98721
4471	·40467	41438	42410	43381	44352	45324	46295	47266	48237	49208	98721
4472	·50179	51151	52122	53093	54064	55035	56006	56977	57948	58919	98721
4473	·59890	60861	61832	62802	63773	64744	65715	66686	67657	68627	98677
4474	·69598	70569	71539	72510	73481	74451	75422	76392	77363	78333	98677
4475	·79304	80274	81245	82215	83186	84156	85127	86097	87067	88037	98677
4476	·89008	89978	90948	91919	92889	93859	94829	95799	96769	97739	98677
4477	·98709	99679	00650	01620	02589	03559	04529	05499	06469	07439	98632
4478	651.08409	09379	10349	11318	12288	13258	14227	15197	16167	17137	98632
4479	·18106	19076	20045	21015	21985	22954	23924	24893	25862	26832	98632
4480	·27801	28771	29740	30710	31679	32648	33617	34587	35556	36525	98632
4481	·37494	38463	39433	40402	41371	42340	43309	44278	45247	46216	98632
4482	·47185	48154	49123	50092	51061	52030	52999	53968	54936	55905	98587
4483	·56874	57843	58811	59780	60749	61717	62686	63655	64623	65592	98587
4484	·66560	67529	68497	69466	70434	71403	72371	73340	74308	75276	98587
4485	·76245	77213	78181	79150	80118	81086	82054	83023	83991	84959	98587
4486	·85927	86895	87863	88831	89799	90767	91735	92703	93671	94639	98542
4487	·95607	96575	97543	98511	99478	00446	01414	02382	03349	04317	98542
4488	652.05285	06252	07220	08188	09155	10123	11091	12058	13026	13993	98542
4489	·14960	15928	16895	17863	18830	19798	20765	21732	22700	23667	98542
4490	·24634	25601	26569	27536	28503	29470	30437	31404	32371	33338	98542
4491	·34306	35273	36239	37206	38173	39140	40107	41074	42041	43008	98497
4492	·43975	44942	45908	46875	47842	48809	49775	50742	51709	52675	98497
4493	·53642	54608	55575	56542	57508	58475	59441	60408	61374	62340	98497
4494	·63307	64273	65239	66206	67172	68138	69105	70071	71037	72003	98497
4495	·72970	73936	74902	75868	76834	77800	78766	79732	80698	81664	98497
4496	·82630	83596	84562	85528	86494	87460	88426	89391	90357	91323	98452
4497	·92289	93254	94220	95186	96152	97117	98083	99048	00014	00980	98452
4498	653.01945	02911	03876	04842	05807	06772	07738	08703	09669	10634	98452
4499	·11599	12565	13530	14495	15460	16426	17391	18356	19321	20286	98452

Num	○ ,	1	2	3	4	5	6	7	8	9	Lo.D 3
4500	65 3.21251	22216	23182	24147	25112	26077	27042	28007	28971	29936	98407
4501	.30901	31866	32831	33796	34761	35725	36690	37655	38620	39584	98407
4502	.40549	41514	42478	43443	44407	45372	46337	47301	48266	49230	98407
4503	.50195	51159	52124	53088	54052	55017	55981	56945	57910	58874	98407
4504	.59838	60802	61767	62731	63695	64659	65623	66587	67551	68515	98407
4505	.69479	70443	71408	72372	73335	74299	75263	76227	77191	78155	98362
4506	.79119	80083	81046	82010	82973	83937	84901	85865	86829	87792	98362
4507	.88756	89719	90683	91647	92610	93574	94537	95500	96464	97427	98362
4508	.98391	99354	00317	01281	02244	03207	04171	05134	06097	07060	98362
4509	654.08023	08987	09950	10913	11876	12839	13802	14765	15728	16691	98362
4510	.17654	18617	19580	20543	21506	22469	23432	24394	25357	26320	98317
4511	.27283	28245	29208	30171	31134	32096	33059	34021	34984	35947	98317
4512	.36909	37872	38834	39797	40759	41721	42684	43646	44609	45571	98317
4513	.46533	47496	48458	49420	50382	51345	52307	53269	54231	55193	98317
4514	.56155	57118	58080	59042	60004	60966	61928	62890	63852	64813	98272
4515	.65775	66737	67699	68661	69623	70585	71546	72508	73470	74432	98272
4516	.75393	76355	77317	78278	79240	80201	81163	82125	83086	84048	98272
4517	.85010	85971	86932	87893	88855	89816	90777	91739	92700	93661	98272
4518	.94623	95584	96545	97506	98467	99428	00390	01351	02312	03273	98272
4519	655.04234	05195	06156	07117	08078	09039	10000	10961	11922	12883	98227
4520	.13843	14804	15765	16726	17687	18647	19608	20568	21529	22490	98227
4521	.23451	24411	25372	26332	27293	28253	29214	30174	31135	32095	98227
4522	.33056	34016	34976	35937	36897	37858	38818	39778	40738	41699	98227
4523	.42659	43619	44579	45539	46499	47459	48420	49379	50340	51300	98227
4524	.52260	53220	54180	55139	56099	57059	58019	58979	59939	60899	98227
4525	.61858	62818	63778	64737	65697	66657	67617	68576	69536	70495	98181
4526	.71455	72415	73374	74333	75293	76252	77212	78171	79131	80090	98181
4527	.81049	82009	82968	83927	84887	85846	86805	87764	88724	89683	98181
4528	.90642	91601	92560	93519	94478	95437	96396	97355	98314	99273	98181
4529	656.00232	01191	02150	03109	04068	05026	05985	06944	07903	08861	98136
4530	.09820	10779	11737	12696	13655	14613	15572	16531	17489	18448	98136
4531	.19406	20365	21323	22282	23240	24198	25157	26115	27074	28032	98136
4532	.28990	29948	30906	31865	32823	33781	34739	35697	36656	37614	98136
4533	.38572	39530	40488	41446	42404	43362	44320	45278	46236	47194	98091
4534	.48152	49109	50067	51025	51983	52941	53898	54856	55814	56772	98091
4535	.57729	58687	59644	60602	61560	62517	63475	64432	65390	66347	98091
4536	.67304	68262	69219	70177	71134	72092	73049	74006	74963	75921	98091
4537	.76878	77835	78792	79750	80707	81664	82621	83578	84535	85492	98091
4538	.86449	87406	88363	89320	90277	91234	92191	93148	94105	95061	98045
4539	.96018	96975	97932	98889	99845	00802	01759	02715	03672	04629	98045
4540	657.05585	06542	07498	08455	09412	10368	11324	12281	13237	14194	98045
4541	.15150	16107	17063	18019	18976	19932	20888	21844	22801	23757	98045
4542	.24713	25669	26625	27581	28537	29494	30449	31406	32362	33318	98045
4543	.34274	35230	36186	37141	38097	39053	40010	40965	41921	42877	98000
4544	.43832	44788	45744	45699	47655	48611	49566	50522	51478	52433	98000
4545	.53389	54344	55300	56255	57211	58166	59122	60077	61032	61988	98000
4546	.62943	63898	64854	65809	66764	67720	68675	69630	70585	71540	98000
4547	.72495	73451	74406	75361	76316	77271	78226	79181	80136	81091	98000
4548	.82046	83001	83955	84910	85865	86820	87774	88729	89684	90639	97954
4549	.91594	92548	93503	94457	95412	96367	97322	98276	99231	00185	97954

Num	0	1	2	3	4	5	6	7	8	9	Lo. D 2
4550	658.01140	02094	03049	04003	04957	05911	06866	07821	08775	09729	97954
4551	.10683	11638	12592	13546	14500	15455	16409	17363	18317	19271	97954
4552	.20225	21179	22133	23087	24041	24995	25949	26903	27857	28811	97909
4553	.29765	30719	31673	32626	33580	34534	35488	36442	37395	38349	97909
4554	.39303	40256	41210	42164	43117	44071	45024	45978	46931	47885	97909
4555	.48838	49792	50745	51698	52652	53605	54558	55512	56465	57418	97909
4556	.58372	59325	60278	61231	62184	63137	64091	65044	65997	66950	97909
4557	.67903	68856	69809	70762	71715	72668	73621	74374	75526	76479	97863
4558	.77432	78385	79337	80290	81243	82196	83149	84101	85054	86007	97863
4559	.86959	87912	88864	89817	90769	91722	92674	93627	94579	95532	97863
4560	.96484	97436	98389	99341	00294	01246	02198	03151	04103	05055	97863
4561	659.06007	06959	07912	08864	09816	10768	11720	12672	13624	14576	97863
4562	.15528	16480	17432	18384	19336	20288	21240	22191	23143	24095	97818
4563	.25047	25999	26950	27902	28854	29805	30757	31708	32660	33612	97818
4564	.34563	35515	36467	37418	38370	39321	40273	41224	42175	43127	97818
4565	.44078	45030	45981	46932	47883	48835	49786	50737	51688	52640	97818
4566	.53591	54542	55493	56444	57395	58346	59297	60248	61199	62150	97818
4567	.63101	64052	65003	65954	66905	67856	68806	69757	70708	71659	97772
4568	.72609	73560	74511	75462	76412	77363	78314	79264	80215	81165	97772
4569	.82116	83066	84017	84967	85918	86868	87819	88769	89719	90670	97772
4570	.91620	92570	93521	94471	95421	96371	97322	98272	99222	00172	97772
4571	660.01122	02072	03022	03972	04922	05872	06822	07772	08722	09672	97726
4572	.10622	11572	12522	13472	14422	15371	16321	17271	18221	19170	97726
4573	.20120	21070	22019	22969	23919	24868	25818	26767	27717	28667	97726
4574	.29616	30565	31515	32464	33414	34363	35312	36262	37211	38161	97726
4575	.39110	40059	41008	41957	42907	43856	44805	45754	46703	47653	97726
4576	.48602	49551	50500	51449	52398	53347	54296	55245	56193	57142	97680
4577	.58091	59040	59989	60938	61886	62835	63784	64733	65681	66630	97680
4578	.67579	68527	69476	70425	71373	72322	73270	74219	75167	76116	97680
4579	.77064	78013	78961	79910	80858	81806	82755	83703	84651	85600	97680
4580	.86548	87496	88444	89392	90341	91289	92237	93185	94133	95081	97680
4581	.96029	96977	97925	98873	99821	00769	01717	02665	03613	04561	97634
4582	661.05508	06456	07404	08351	09300	10247	11195	12143	13090	14038	97634
4583	.14986	15933	16881	17828	18776	19723	20671	21619	22566	23513	97634
4584	.24461	25408	26356	27303	28250	29198	30145	31092	32040	32987	97634
4585	.33934	34881	35828	36775	37723	38670	39617	40564	41511	42458	97634
4586	.43405	44352	45299	46246	47193	48140	49087	50034	50980	51927	97589
4587	.52874	53821	54768	55714	56661	57608	58554	59501	60448	61394	97589
4588	.62341	63288	64234	65181	66127	67074	68020	68967	69913	70859	97589
4589	.71806	72752	73698	74645	75591	76537	77484	78430	79376	80322	97589
4590	.81269	82215	83161	84107	85053	85999	86945	87891	88837	89783	97589
4591	.90729	91675	92621	93567	94513	95459	96405	97351	98296	99242	97543
4592	662.00188	01134	02079	03025	03971	04916	05862	06808	07753	08698	97543
4593	.09644	10590	11536	12481	13427	14372	15318	16263	17208	18154	97543
4594	.19099	20044	20990	21935	22880	23826	24771	25716	26661	27606	97543
4595	.28552	29497	30442	31387	32332	33277	34222	35167	36112	37057	97543
4596	.38002	38947	39892	40837	41782	42726	43671	44616	45561	46506	97497
4597	.47450	48395	49340	50284	51230	52174	53118	54063	55007	55952	97497
4598	.56897	57841	58786	59730	60675	61619	62564	63508	64452	65397	97497
4599	.66341	67285	68229	69174	70118	71062	72006	72951	73895	74839	97497

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4600	662.75783	76727	77671	78615	79559	80504	81448	82391	83335	84279	97497
4601	.85223	86167	87111	88055	88999	89943	90886	91830	92774	93718	97451
4602	.94661	95605	96549	97492	98436	99380	00323	01267	02210	03154	97451
4603	663.04097	05041	05984	06928	07871	08815	09758	10702	11645	12588	97451
4604	.13531	14475	15418	16361	17305	18248	19191	20134	21077	22020	97451
4605	.22963	23907	24850	25793	26736	27679	28622	29565	30508	31450	97405
4606	.32393	33336	34279	35222	36165	37108	38050	38993	39936	40879	97405
4607	.41821	42764	43707	44649	45592	46534	47477	48420	49362	50304	97405
4608	.51247	52190	53132	54074	55017	55959	56902	57844	58786	59729	97405
4609	.60671	61613	62555	63498	64440	65382	66324	67266	68208	69150	97405
4610	.70093	71035	71977	72919	73861	74803	75744	76687	77628	78570	97358
4611	.79512	80454	81396	82338	83279	84221	85163	86105	87047	87988	97358
4612	.88930	89872	90813	91755	92696	93638	94579	95521	96463	97404	97358
4613	.98345	99287	00228	01170	02111	03052	03994	04935	05876	06818	97358
4614	664.07759	08700	09641	10583	11524	12465	13406	14347	15288	16229	97358
4615	.17171	18112	19053	19994	20934	21875	22816	23757	24698	25639	97312
4616	.26580	27521	28462	29402	30343	31284	32225	33165	34106	35047	97312
4617	.35987	36928	37869	38809	39750	40690	41631	42571	43512	44452	97312
4618	.45393	46333	47274	48214	49154	50095	51035	51975	52916	53856	97312
4619	.54796	55736	56677	57617	58557	59497	60437	61377	62317	63257	97312
4620	.64198	65138	66078	67017	67957	68897	69837	70777	71717	72657	97266
4621	.73597	74537	75476	76416	77356	78296	79235	80175	81115	82054	97266
4622	.82994	83934	84873	85813	86752	87692	88632	89571	90510	91450	97266
4623	.92389	93329	94268	95207	96147	97086	98025	98965	99904	00843	97266
4624	665.01783	02722	03661	04600	05539	06478	07417	08356	09296	10235	97266
4625	.11174	12113	13052	13991	14929	15868	16807	17746	18685	19624	97220
4626	.20563	21502	22440	23379	24318	35257	26195	27134	28073	29011	97220
4627	.29950	30889	31827	32766	33704	34643	35581	36520	37458	38397	97220
4628	.39335	40273	41212	42150	43088	44027	44965	45903	46842	47780	97220
4629	.48718	49656	50594	51533	52471	52409	54347	55285	56223	57161	97220
4630	.58099	59037	59975	60913	61851	62789	63727	64665	65602	66540	97173
4631	.67478	68416	69354	70291	71229	72167	73104	74042	74980	75917	97173
4632	.76855	77793	78730	79668	80605	81543	82480	83418	84355	85293	97173
4633	.86230	87167	88105	89042	89979	90917	91854	92791	93729	94666	97173
4634	.95603	96540	97477	98414	99352	00289	01226	02163	03100	04037	97173
4635	666.04974	05911	06848	07785	08722	09659	10595	11532	12469	13406	97127
4636	.14343	15280	16216	17153	18090	19026	19963	20900	21836	22773	97127
4637	.23710	24646	25583	26519	27456	28392	29329	30265	31202	32138	97127
4638	.33074	34011	34947	35884	36820	37756	38692	39629	40565	41501	97127
4639	.42437	43373	44310	45246	46182	47118	48054	48990	49926	50862	97127
4640	.51798	52734	53670	54606	55542	56478	57414	58349	59285	60221	97081
4641	.61157	62093	63028	63964	64900	65835	66771	67707	68642	69578	97081
4642	.70514	71449	72385	73320	74256	75191	76127	77062	77998	78933	97081
4643	.79868	80804	81739	82674	83610	84545	85480	86415	87351	88286	97081
4644	.89221	90156	91091	92027	92962	93897	94832	95767	96702	97637	97081
4645	.98572	99507	00442	01376	02312	03246	04181	05116	06051	06986	97034
4646	667.07921	08855	09790	10725	11659	12594	13529	14463	15398	16333	97034
4647	.17267	18202	19136	20071	21005	21940	22874	23809	24743	25678	97034
4648	.26612	27546	28481	29415	30349	31284	32218	33152	34086	35020	97034
4649	.35955	36889	37823	38757	39691	40625	41559	42493	43427	44361	97034

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D. 2
4650	667·45295	46229	47163	48097	49031	49965	50899	51833	52766	53700	96988
4651	·54534	55568	56501	57435	58369	59303	60236	61170	62103	63037	96988
4652	·63971	64904	65838	66771	67705	68638	69572	70505	71438	72372	96988
4653	·73305	74239	75172	76105	77039	77972	78905	79838	80772	81705	96988
4654	·82638	83571	84504	85437	86370	87303	88237	89170	90103	91036	96988
4655	·91968	92901	93834	94767	95720	96633	97566	98499	99432	00364	96941
4656	668·01297	02230	03163	04095	05028	05961	06893	07826	08759	09691	96941
4657	·10624	11556	12489	13421	14354	15286	16219	17151	18084	19016	96941
4658	·19948	20881	21813	22745	23678	24610	25542	26474	27407	28339	96941
4659	·29271	30203	31135	32067	33000	33932	34864	35796	36728	37660	96941
4660	·38592	39524	40455	41387	42319	43251	44183	45115	46047	46978	96894
4661	·47910	48842	49774	50705	51637	52569	53501	54432	55364	56295	96894
4662	·57227	58158	59090	60022	60953	61884	62816	63747	64679	65610	96894
4663	·66542	67473	68404	69335	70267	71198	72129	73061	73992	74923	96894
4664	·75854	76785	77716	78648	79579	80510	81441	82372	83303	84234	96894
4665	·85165	86096	87027	87958	88888	89819	90750	91681	92611	93543	96848
4666	·94473	95404	96335	97266	98196	99127	00058	00988	01919	02850	96848
4667	669·03780	04711	05641	06572	07502	08433	09363	10294	11224	12154	96848
4668	·13085	14015	14945	15876	16806	17736	18667	19597	20527	21457	96848
4669	·22387	23318	24248	25178	26108	27038	27968	28898	29828	30758	96848
4670	·31688	32618	33548	34478	35408	36338	37268	38197	39127	40057	96801
4671	·40987	41916	42846	43776	44706	45635	46565	47495	48424	49354	96801
4672	·50283	51213	52143	53072	54002	54931	55860	56790	57719	58649	96801
4673	·59578	60507	61437	62366	63295	64225	65154	66083	67012	67942	96801
4674	·68871	69800	70729	71658	72587	73516	74445	75375	76304	77233	96801
4678	·78162	79090	80019	80948	81877	82806	83735	84664	85593	86521	96754
4679	·87450	88379	89308	90236	91165	92094	93023	93951	94880	95808	96754
4675	·96737	97665	98594	99523	00451	01380	02308	03237	04165	05093	96754
4576	670·06022	06950	07878	08807	09735	10663	11592	12520	13448	14376	96754
4677	·15305	16233	17161	18089	19017	19945	20873	21801	22729	23657	96754
4680	·24585	25513	26441	27369	28297	29225	30153	31081	32008	32936	96707
4681	·33864	34792	35720	36647	37575	38503	39430	40358	41286	42213	96707
4682	·43141	44068	44996	45924	46851	47779	48706	49634	50561	51488	96707
4683	·52416	53343	54271	55198	56125	57052	57980	58907	59834	60761	96707
4684	·61689	62616	63543	64470	65397	66324	67251	68178	69105	70033	96707
4685	·70960	71887	72813	73740	74667	75594	76521	77448	78375	79302	96661
4686	·80228	81155	82082	83008	83935	84862	85789	86715	87642	88569	96661
4687	·89495	90422	91349	92275	93202	94128	95055	95981	96907	97834	96661
4688	·98760	99687	00613	01539	02466	03392	04318	05245	06171	07097	96661
4689	671·08023	08949	09876	10802	11728	12654	13580	14506	15432	16358	96661
4690	·17284	18210	19136	20062	20988	21914	22840	23766	24692	25617	96614
4691	·26543	27469	28395	29321	30246	31172	32098	33023	33949	34875	96614
4692	·35800	36726	37652	38577	39503	40428	41354	42279	43205	44130	96614
4693	·45055	45981	46906	47832	48757	49682	50607	51533	52458	53383	96614
4694	·54309	55234	56159	57084	58009	58934	59859	60784	61709	62635	96614
4695	·63559	64485	65410	66335	67260	68184	69109	70034	70959	71884	96567
4696	·72809	73734	74658	75583	76508	77433	78357	79282	80207	81131	96567
4697	·82056	82981	83905	84830	85754	86679	87603	88528	89452	90377	96567
4698	·91301	92225	93150	94074	94999	95923	96847	97772	98696	99620	96567
4699	672·00544	01469	02393	03317	04241	05165	06090	07014	07938	08862	96567

Chiliades centum Logarithmorum.

Num	0	1	2	3	4	5	6	7	8	9	Lo. D. ½
4700	672.09786	10710	11634	12558	13482	14406	15330	16254	17177	18101	96520
4701	.19025	19949	20873	21797	22720	23644	24568	25491	26415	27339	96520
4702	.28262	29186	30110	31033	31957	32880	33804	34727	35651	36574	96520
4703	.37498	38421	39345	40268	41191	42115	43038	43961	44885	45808	96520
4704	.46731	47655	48578	49501	50424	51347	52270	53194	54117	55040	96520
4705	.55963	56886	57809	58732	59655	60578	61501	62424	63347	64269	96473
4706	.65192	66115	67038	67961	68884	69806	70729	71652	72574	73497	96473
4707	.74420	75342	76265	77188	78110	79033	79955	80878	81800	82723	96473
4708	.83645	84568	85490	86413	87335	88257	89180	90102	91024	91947	96473
4709	.92869	93791	94714	95636	96558	97480	98402	99324	00247	01169	96473
4710	673.02091	03013	03935	04857	05779	06701	07623	08545	09467	10388	96425
4711	.11310	12232	13154	14076	14998	15920	16841	17763	18685	19606	96425
4712	.20528	21450	22371	23293	24215	25136	26058	26979	27901	28822	96425
4713	.29744	30665	31587	32508	33430	34351	35273	36194	37115	38037	96425
4714	.38958	39879	40800	41722	42643	43564	44485	45406	46327	47249	96425
4715	.48170	49091	50012	50933	51854	52775	53696	54617	55538	56459	96378
4716	.57380	58301	59221	60142	61063	61984	62905	63825	64746	65667	96378
4717	.66588	67508	68429	69350	70270	71191	72111	73032	73953	74873	96378
4718	.75794	76714	77635	78555	79475	80396	81316	82237	83157	84077	96378
4719	.84998	85918	86838	87759	88679	89599	90519	91439	92360	93280	96378
4720	.94200	95120	96040	96960	97880	98800	99720	00640	01560	02480	96378
4721	674.03400	04320	05240	06160	07080	07999	08919	09839	10759	11679	96331
4722	.12598	13518	14438	15357	16277	17197	18116	19036	19955	20875	96331
4723	.21795	22714	23634	24553	25473	26392	27311	28231	29150	30069	96331
4724	.30989	31908	32828	33747	34666	35585	36505	37424	38343	39262	96331
4725	.40181	41100	42020	42939	43858	44776	45696	46615	47534	48453	96331
4726	.49372	50291	51209	52128	53047	53966	54885	55804	56723	57641	96284
4727	.58560	59479	60398	61316	62235	63154	64072	64991	65910	66828	96284
4728	.67747	68665	69584	70502	71421	72339	73258	74176	75095	76013	96284
4729	.76931	77850	78768	79686	80605	81523	82441	83359	84278	85196	96284
4730	.86114	87032	87950	88869	89787	90705	91623	92541	93459	94377	96284
4731	.95295	96213	97131	98049	98967	99884	00802	01720	02638	03556	96236
4732	.04474	05391	06309	07227	08144	09062	09980	10898	11815	12733	96236
4733	675.13650	14568	15486	16403	17321	18238	19156	20073	20991	21908	96236
4734	.22825	23743	24660	25577	26495	27412	28329	29247	30164	31081	96236
4735	.31998	32916	33833	34750	35667	36584	37501	38418	39335	40252	96236
4736	.41169	42086	43003	43920	44837	45754	46671	47588	48505	49422	96189
4737	.50338	51255	52172	53089	54006	54922	55839	56756	57672	58589	96189
4738	.59506	60422	61339	62255	63172	64089	65005	65921	66838	67754	96189
4739	.68671	69587	70504	71420	72336	73253	74169	75085	76002	76918	96189
4740	.77834	78750	79667	80583	81499	82415	83331	84247	85163	86079	96189
4741	.86995	87912	88827	89744	90659	91575	92491	93407	94323	95239	96142
4742	.96155	97071	97987	98902	99818	00734	01650	02565	03481	04397	96142
4743	676.05312	06228	07144	08059	08975	09890	10806	11722	12637	13553	96142
4744	.14468	15383	16299	17214	18130	19045	19960	20876	21791	22706	96142
4745	.23622	24537	25452	26367	27283	28198	29113	30028	30943	31858	96142
4746	.32773	33688	34604	35519	36434	37349	38263	39178	40093	41008	96094
4747	.41923	42838	43753	44668	45583	46497	47412	48327	49242	50156	96094
4748	.51071	51986	52900	53815	54730	55644	56559	57474	58388	59302	96094
4749	.60217	61131	62046	62960	63875	64789	65704	66618	67532	68447	96094

Chiliades centum Logarithmorum.

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D. 2
4750	676.69361	70275	71189	72104	73018	73932	74846	75761	76675	77589	96094
4751	·78503	79417	80331	81245	82159	83073	83987	84901	85815	86729	96094
4752	·87643	88557	89471	90385	91299	92213	93126	94040	94954	95868	96047
4753	·96781	97695	98609	99523	00436	01350	02263	03177	04091	05004	96047
4754	677.05918	06831	07745	08658	09572	10485	11399	12312	13225	14138	96047
4755	·15052	15965	16879	17792	18705	19619	20532	21445	22358	23271	96047
4756	·24185	25098	26011	26924	27837	28750	29663	30576	31489	32402	96047
4757	·33315	34228	35141	36054	36967	37880	38793	39705	40618	41531	95999
4758	·42444	43356	44265	45182	46095	47007	47920	48833	49745	50658	95999
4759	·51570	52483	53396	54308	55221	56133	57046	57958	58870	59783	95999
4760	·60695	61608	62520	63432	64345	65257	66169	67081	67994	68906	95999
4761	·69818	70730	71642	72555	73467	74379	75291	76203	77115	78027	95999
4762	·78939	79851	80763	81675	82587	83499	84411	85323	86234	87146	95951
4763	·88058	88970	89882	90793	91705	92617	93529	94440	95352	96264	95951
4764	·97175	98087	98998	99910	00822	01733	02645	03556	04468	05379	95951
4765	678.06291	07202	08113	09025	09936	10847	11758	12670	13581	14493	95951
4766	·15404	16315	17226	18137	19049	19960	20871	21782	22693	23604	95951
4767	·24515	25426	26337	27248	28159	29070	29981	30892	31803	32714	95904
4768	·33625	34536	35446	36357	37268	38179	39089	40000	40911	41822	95904
4769	·42732	43643	44553	45464	46375	47285	48196	49106	50017	50927	95904
4770	·51837	52748	53659	54569	55480	56390	57300	58211	59121	60031	95904
4771	·60942	61852	62762	63672	64583	65493	66403	67313	68223	69133	95904
4772	·70044	70954	71864	72774	73684	74594	75504	76414	77324	78234	95856
4773	·79143	80053	80963	81873	82783	83693	84602	85512	86422	87332	95856
4774	·88241	89151	90061	90971	91880	92790	93699	94609	95519	96428	95856
4775	·97338	98247	99157	00066	00976	01885	02794	03704	04613	05522	95856
4776	679.06432	07341	08250	09160	10069	10978	11887	12797	13706	14615	95856
4777	·15524	16433	17342	18251	19161	20070	20979	21888	22797	23706	95856
4778	·24611	25523	26432	27341	28250	29159	30068	30977	31886	32794	95808
4779	·33703	34612	35520	36429	37338	38247	39155	40064	40972	41881	95808
4780	·42790	43698	44607	45515	46424	47332	48241	49149	50058	50966	95808
4781	·51874	52783	53691	54599	55507	56416	57324	58233	59141	60049	95808
4782	·60957	61865	62774	63682	64590	65498	66406	67314	68222	69130	96808
4783	·70038	70946	71854	72762	73670	74578	75486	76394	77301	78209	95760
4784	·79117	80025	80933	81840	82748	83656	84564	85471	86379	87287	95760
4785	·88194	89102	90009	90917	91825	92732	93640	94547	95455	96362	95760
4786	·97269	98177	99084	99992	00899	01806	02714	03621	04528	05436	95760
4787	680.06343	07250	08157	09064	09972	10879	11786	12693	13600	14507	95760
4788	·15414	16321	17228	18135	19042	19949	20856	21763	22670	23577	95712
4789	·24484	25391	26297	27204	28111	29018	29925	30831	31738	32645	95712
4790	·33551	34458	35365	36271	37177	38084	38991	39898	40804	41711	95712
4791	·42617	43524	44430	45336	46243	47149	48056	48962	49868	50775	95712
4792	·51681	52587	53493	54400	55306	56212	57118	58025	58931	59837	95712
4793	·60743	61649	62555	63461	64367	65273	66179	67085	67991	68897	95712
4794	·69803	70709	71615	72521	73426	74332	75238	76144	77049	77955	95664
4795	·78861	79767	80672	81578	82484	83390	84295	85201	86106	87012	95664
4796	·87917	88823	89728	90634	91539	92445	93350	94256	95161	96066	95664
4797	·96972	97877	98783	99688	00593	01498	02404	03309	04214	05119	95664
4798	681.06024	06929	07835	08740	09645	10550	11455	12360	13265	14170	95664
4799	·15075	15980	16885	17790	18695	19600	20504	21409	22314	23219	95616

Chiliades centum Logarithmorum.

Num	0	1	2	3	4	5	6	7	8	9	Lo. D 2
4800	681.24124	25028	25933	26838	27743	28647	29552	30457	31361	32266	95616
4801	·33171	34075	34980	35884	36789	37693	38598	39502	40407	41311	95616
4802	·42216	43120	44024	44929	45833	46737	47642	48546	49450	50354	95616
4803	·51259	52163	53067	53671	54875	55779	56684	57588	58492	59396	95616
4804	·60300	61204	62108	63012	63916	64820	65724	66628	67531	68435	95616
4805	·69339	70243	71147	72051	72954	73858	74762	75666	76569	77473	95568
4806	·78377	79280	80184	81087	81991	82895	83798	84702	85605	86509	95568
4807	·87412	88316	89219	90123	91026	91929	92833	93736	94639	95543	95568
4808	·96446	97349	98252	99156	00059	00962	01865	02768	03672	04575	95568
4809	682.05478	06381	07284	08187	09090	09993	10896	11799	12702	13605	95568
4810	·14508	15411	16313	17216	18119	19022	19925	20827	21730	22633	95568
4811	·23536	24438	25341	26244	27146	28049	28952	29854	30757	31659	95520
4812	·32562	33464	34367	35269	36172	37074	37977	38879	39781	40684	95520
4813	·41586	42488	43391	44293	45195	46097	47000	47902	48804	49705	95520
4814	·50609	51511	52413	53315	54217	55119	56001	56923	57825	58727	95520
4815	·59629	60531	61433	62335	63237	64139	65041	65942	66844	67746	95520
4816	·68648	69550	70451	71353	72255	73156	74058	74960	75861	76763	95472
4817	·77565	78566	79468	80369	81271	82172	83074	83975	84877	85778	95472
4818	·86679	87581	88482	89384	90285	91186	92088	92989	93890	94791	95472
4819	·95693	96594	97495	98396	99297	00198	01100	02001	02902	03803	95472
4820	683.04704	05605	06506	07407	08308	09209	10110	11011	11911	12812	95472
4821	·13713	14614	15515	16416	17316	18217	19118	20019	20919	21820	95472
4822	·22721	23621	24522	25422	26323	27224	28124	29025	29925	30826	95424
4823	·31726	32627	33527	34427	35328	36228	37129	38029	38929	39830	95424
4824	·40730	41630	42530	43431	44331	45231	46131	47031	47932	48832	95424
4825	·49732	50632	51532	52432	53332	54232	55132	56032	56932	57832	95424
4826	·58732	59632	60532	61431	62331	63231	64131	65031	65930	66830	95424
4827	·67730	68630	69529	70429	71329	72228	73128	74027	74927	75827	95375
4828	·76726	77626	78525	79425	80324	81223	82123	83022	83922	84821	95375
4829	·85721	86620	87519	88419	89318	90217	91116	92016	92915	93814	95375
4830	·94713	95612	96511	97410	98310	99209	00108	01007	01906	02805	95375
4831	684.03704	04603	05502	06401	07300	08198	09097	09996	10895	11794	95375
4832	·12693	13591	14490	15389	16288	17186	18085	18984	19882	20781	95327
4833	·21680	22578	23477	24375	25274	26172	27071	27969	28868	29766	95327
4834	·30665	31563	32461	33360	34258	35156	36055	36953	37851	38750	95327
4835	·39648	40546	41444	42342	43241	44139	45037	45935	46833	47731	95327
4836	·48629	49527	50426	51323	52221	53119	54017	54915	55813	56711	95327
4837	·57609	58507	59404	60302	61200	62098	62666	63893	64791	65689	95327
4838	·66586	67484	68382	69279	70177	71075	71972	72870	73767	74665	95379
4839	·75562	76460	77357	78255	79152	80050	80947	81844	82742	83639	95379
4840	·84536	85433	86331	87228	88125	89022	89920	90817	91714	92611	95379
4841	·93508	94405	95302	96200	97096	97994	98891	99788	00685	01581	95379
4842	685.02479	03375	04272	05169	06066	06963	07860	08757	09653	10550	95379
4843	·11447	12344	13240	14137	15034	15930	16827	17724	18620	19517	95230
4844	·20413	21310	22207	23103	24000	24896	25792	26689	27585	28482	95230
4845	·29378	30274	31171	32067	32964	33860	34756	35652	36549	37445	95230
4846	·38341	39237	40133	41029	41926	42822	43718	44614	45510	46406	95230
4847	·47302	48198	49094	49990	50885	51782	52678	53574	54469	55365	95230
4848	·56261	57157	58053	58949	59844	60740	61636	62531	63427	64323	95230
4849	·65218	66114	67010	67905	68801	69696	70592	71487	72383	73278	95182

Chiliades centum Logarithmorum.

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D 2
4850	685·74174	75069	75965	76860	77756	78651	79546	80442	81337	82232	95182
4851	·83127	84023	84918	85813	86708	87604	88499	89394	90289	91184	95182
4852	·92079	92974	93869	94764	95659	96554	97449	98344	99239	00134	95182
4853	686·01029	01924	02819	03714	04609	05503	06398	07293	08188	09082	95182
4854	·09977	10872	11767	12661	13556	14451	15345	16240	17134	18029	95133
4855	·18923	19818	20712	21607	22501	23396	24290	25185	26079	26973	95133
4856	·27868	28762	29656	30551	31445	32339	33234	34128	35022	35916	95133
4857	·36810	37704	38599	39493	40387	41281	42175	43069	43963	44857	95133
4858	·45751	46645	47539	48433	49327	50221	51114	52008	52902	53796	95133
4859	·54690	55584	56477	57371	58265	59159	60052	60946	61840	62733	95133
4860	·63627	64521	65414	66308	67201	68095	68988	69882	70775	71669	95085
4861	·72562	73455	74349	75242	76136	77029	77922	78816	79709	80602	95085
4862	·81495	82389	83282	84175	85068	85961	86855	87748	88641	89534	95085
4863	·90427	91320	92213	93106	94000	94892	95785	96678	97571	98464	95085
4864	·99357	00249	01142	02035	02928	03821	04714	05606	06499	07392	95085
4865	687·08284	09174	10070	10962	11855	12748	13640	14533	15425	16318	95036
4866	·17210	18103	18995	19888	20780	21672	22565	23457	24350	25242	95036
4867	·26135	27027	27919	28812	29704	30596	31488	32380	33273	34165	95036
4868	·35057	35949	36841	37733	38625	39517	40409	41302	42194	43085	95036
4869	·43977	44869	45761	46653	47545	48437	49329	50221	51113	52004	95036
4870	·52896	53787	54680	55571	56463	57355	58246	59138	60030	60921	94987
4871	·61813	62705	63596	64488	65379	66271	67162	68054	68945	69837	94987
4872	·70728	71619	72511	73402	74293	75185	76076	76967	77859	78750	94987
4873	·79641	80532	81424	82315	83206	84097	84988	85879	86770	87661	94987
4874	·88552	89444	90335	91226	92117	93007	93898	94789	95680	96571	94987
4875	·97462	98353	99244	00134	01025	01916	02807	03698	04588	05479	94987
4876	688·06370	07260	08151	09042	09922	10823	11713	12604	13495	14385	94939
4877	·15276	16166	17057	17947	18837	19728	20618	21509	22399	23289	94939
4878	·24180	25070	25960	26850	27741	28631	29521	30411	31301	32192	94939
4879	·33082	33972	34862	35752	36642	37532	38422	39312	40202	41092	94939
4880	·41982	42872	43762	44652	45542	46432	47322	48211	49101	49991	94939
4881	·50881	51771	52660	53550	54440	55329	56219	57109	57998	58888	94890
4882	·59778	60667	61557	62446	63336	64225	65115	66004	66894	67783	94890
4883	·68672	69562	70451	71341	72230	73119	74009	74898	75787	76676	94890
4884	·77565	78455	79344	80233	81122	82011	82901	83789	84679	85568	94890
4885	·86457	87346	88235	89124	90013	90902	91791	92680	93569	94457	94890
4886	·95346	96235	97124	98013	98902	99790	00579	01568	02457	03345	94890
4887	689·04234	05123	06011	06900	07788	08677	09566	10454	11343	12231	94841
4888	·13120	14008	14897	15785	16674	17562	18450	19339	20227	21115	94841
4889	·22004	22892	23780	24669	25557	26445	27333	28221	29110	29998	94841
4890	·30886	31774	32662	33550	34438	35326	36214	37102	37990	38878	94841
4891	·39766	40654	41542	42430	43317	44206	45094	45981	46869	47757	94841
4892	·48645	49533	50420	51308	52196	53083	53971	54859	55746	56634	94841
4893	·57522	58409	59297	60184	61072	61959	62847	63734	64622	65509	94792
4894	·66396	67284	68171	69059	69946	70833	71721	72607	73495	74382	94792
4895	·75270	76157	77044	77931	78818	79705	80593	81479	82367	83254	94792
4896	·84141	85027	85915	86802	87689	88576	89463	90350	91237	92124	94792
4897	·93010	93897	94784	95671	96557	97444	98331	99218	00104	00991	94792
4898	690·01878	02765	03651	04538	05425	06311	07197	08084	08971	09857	94743
4899	·10744	11630	12517	13403	14290	15176	16063	16949	17835	18722	94743

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Num.	0	1	2	3	4	5	6	7	8	9	Lo.D. 2
4900	690.19608	20494	21381	22267	23153	24039	24925	25811	26698	27584	94743
4901	.28470	29356	30242	31128	32015	32901	33787	34673	35559	36445	94743
4902	.37331	38217	39102	39988	40874	41760	42646	43532	44418	45304	94743
4903	.46189	47075	47961	48847	49732	50618	51504	52389	53275	54161	94694
4904	.55046	55932	56817	57703	58588	59474	60359	61245	62130	63016	94694
4905	.63901	64786	65672	66557	67443	68328	69213	70099	70984	71869	94694
4906	.72754	73640	74525	75410	76295	77180	78065	78951	79836	80721	94694
4907	.81606	82491	83376	84261	85146	86031	86916	87801	88686	89571	94694
4908	.90455	91340	92225	93110	93995	94880	95764	96649	97534	98419	94694
4909	.99303	00188	01073	01957	02842	03726	04611	05496	06380	07265	94645
4910	691.08149	09034	09918	10803	11687	12572	13456	14340	15225	16109	94645
4911	.16993	17878	18762	19646	20531	21415	22299	23183	24067	24952	94645
4912	.25836	26720	27604	28488	29372	30256	31140	32024	32908	33792	94645
4913	.34676	35560	36444	37328	38212	39096	39980	40864	41748	42631	94645
4914	.43515	44399	45283	46167	47050	47934	48818	49701	50585	51469	94645
4915	.52352	53236	54119	55003	55887	56770	57654	58537	59421	60304	94596
4916	.61187	62071	62954	63838	64721	65604	66488	67371	68254	69137	94596
4917	.70021	70904	71787	72671	73554	74437	75320	76203	77086	77969	94596
4918	.78852	79735	80619	81502	82385	83267	84151	85034	85916	86799	94596
4919	.87682	88565	89448	90331	91214	92096	92979	93862	94745	95628	94596
4920	.96510	97393	98276	99158	00041	00924	01806	02689	03571	04454	94546
4921	692.05337	05219	07102	07984	08866	09749	10631	11514	12396	13279	94546
4922	.14161	15043	15926	16808	17690	18572	19455	20337	21219	22101	94546
4923	.22984	23866	24748	25630	26512	27394	28276	29158	30040	30922	94546
4924	.31804	32686	33568	34450	35332	36214	37096	37978	38860	39742	94546
4925	.40623	41505	42387	43269	44151	45032	45914	46796	47677	48559	94546
4926	.49441	50322	51204	52086	52967	53849	54730	55612	56493	57375	94497
4927	.58256	59138	60019	60901	61782	62663	63545	64426	65307	66189	94497
4928	.67070	67951	68832	69714	70595	71476	72357	73238	74120	75001	94497
4929	.75882	76763	77644	78525	79406	80287	81168	82049	82930	83811	94497
4930	.84692	85573	86454	87335	88215	89096	89977	90858	91739	92620	94497
4931	.93500	94381	95262	96142	97023	97904	98784	99665	00545	01426	94497
4932	693.02307	03187	04068	04948	05829	06709	07590	08470	19351	10231	94448
4933	.11111	11992	12872	13753	14633	15513	16394	17274	18154	19034	94448
4934	.19915	20795	21675	22555	23435	24315	25195	26075	26956	27836	94448
4935	.28716	29596	30476	31356	32235	33116	33995	34875	35755	36635	94448
4936	.37515	38395	39275	40155	41034	41914	42793	43674	44553	45433	94448
4937	.46313	47192	48072	48952	49831	50711	51590	52470	53349	54229	94398
4938	.55109	55988	56868	57747	58626	59506	60385	61265	62144	63023	94398
4939	.63903	64782	65561	66541	67420	68299	69178	70057	70936	71816	94398
4940	.72695	73574	74453	75332	76211	77090	77969	78848	79727	80606	94398
4941	.81485	82364	83243	84122	85001	85879	86759	87638	88517	89395	94398
4942	.90274	91153	92032	92910	93789	94668	95546	96425	97304	98182	94398
4943	.99061	99939	00818	01697	02575	03454	04332	05210	06089	06968	94349
4944	694.07846	08725	09603	10481	11359	12238	13116	13995	14873	15751	94349
4945	.16629	17508	18386	19264	20142	21021	21899	22777	23655	24533	94349
4946	.25411	26289	27167	28045	28923	29801	30679	31557	32435	33313	94349
4947	.34191	35069	35947	36825	37702	38580	39458	40336	41214	42091	94349
4948	.42969	43847	44724	45602	46479	47358	48236	49113	49990	50868	94299
4949	.51745	52623	53500	54378	55255	56133	57010	57888	58765	59543	94299

Chiliades centum Logarithmorum.

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D 2
4950	694.60520	61397	62375	63152	64029	64906	65784	66661	67538	68415	94299
4951	.69293	70170	71047	71924	72801	73678	74555	75433	76310	77187	94299
4952	.78064	78941	79818	80695	81571	82448	83325	84202	85079	85956	94299
4953	.86833	87710	88586	89463	90340	91217	92093	92970	93847	94724	94299
4954	.95600	96477	97354	98230	99107	99983	00860	01736	02613	03489	94250
4955	695.04366	05242	06119	06995	07872	08748	09624	10501	11377	12253	94250
4956	.13130	14006	14882	15759	16635	17511	18387	19263	20140	21016	94250
4957	.21892	22768	23644	24520	25396	26272	27148	28024	28900	29776	94250
4958	.30652	31528	32404	33280	34156	35032	35908	36783	37659	38535	94250
4959	.39411	40287	41162	42038	42914	43789	44665	45541	46416	47292	94250
4960	.48168	49043	49919	50794	51670	52545	53421	54296	55172	56047	94200
4961	.56923	57798	58674	59549	60424	61300	62175	63050	63925	64801	94200
4962	.65675	66551	67426	68302	69177	70052	70927	71802	72677	73552	94200
4963	.74428	75303	76178	77053	77928	78803	79678	80553	81427	82302	94200
4964	.83177	84052	84927	85802	86677	87552	88426	89301	90176	91051	94200
4965	.91925	92800	93675	94549	95424	96299	97173	98048	98922	99797	94151
4966	696.00672	01546	02421	03295	04170	05044	05918	06793	07667	08542	94151
4967	.09416	10290	11165	12039	12913	13788	14662	15536	16410	17285	94151
4968	.18159	19033	19907	20781	21655	22529	23404	24278	25152	26026	94151
4969	.26900	27774	28648	29522	30396	31270	32143	33017	33891	34765	94151
4970	.35639	36513	37387	38260	39134	40008	40882	41755	42629	43503	94151
4971	.44376	45250	46124	46997	47871	48744	49618	50591	51365	52239	94101
4972	.53112	53985	54859	55732	56606	57479	58353	59226	60099	60973	94101
4973	.61846	62719	63593	64466	65339	66212	67085	67959	68832	69705	94101
4974	.70578	71451	72324	73197	74070	74944	75817	76690	77563	78436	94101
4975	.79308	80181	81054	81927	82800	83673	84546	85419	86292	87164	94101
4976	.88037	88910	89783	90655	91528	92401	93274	94146	95019	95891	94101
4977	.96764	97637	98509	99382	00254	01127	01999	02872	03744	04617	94051
4978	697.05489	06362	07234	08106	08979	09851	10723	11596	12468	13340	94051
4979	.14213	15085	15957	16829	17702	18574	19446	20318	21190	22062	94051
4980	.22934	23806	24678	25550	26422	27294	28166	29038	29910	30782	94051
4981	.31654	32526	33398	34270	35142	36013	36885	37757	38629	39501	94051
4982	.40372	41244	42116	42987	43859	44731	45602	46474	47345	48217	94001
4983	.49089	49960	50832	51703	52575	53446	54318	55189	56061	56932	94001
4984	.57803	58675	59546	60417	61289	62160	63031	63903	64774	65645	94001
4985	.66516	67387	68258	69130	70001	70872	71743	72614	73485	74356	94001
4986	.75227	76098	76969	77840	78711	79582	80453	81324	82195	83066	94001
4987	.83937	84808	85678	86549	87420	88291	89162	90032	90903	91774	94001
4988	.92844	93515	94386	95256	96127	96998	97868	98738	99609	00480	93951
4989	698.01350	02220	03091	03962	04832	05703	06573	07443	08314	09184	93951
4990	.10055	10925	11795	12665	13536	14406	15276	16146	17017	17887	93951
4991	.18757	19627	20497	21367	22237	23108	23978	24848	25718	26588	93951
4992	.27458	28328	29198	30068	30937	31807	32677	33547	34417	35287	93951
4993	.36157	37026	37896	38766	39636	40505	41375	42245	43115	43984	93951
4994	.44854	45723	46593	47463	48332	49202	50071	50941	51810	52680	93901
4995	.53549	54419	55288	56158	57027	57896	58766	59635	60504	61374	93901
4996	.62243	63112	63982	64851	65720	66589	67458	68328	69197	70066	93901
4997	.70935	71804	72673	73542	74411	75280	76149	77018	77887	78756	93901
4998	.79625	80494	81363	82232	83101	83970	84838	85707	86576	87445	93901
4999	.88314	89182	90051	90920	91789	92657	93526	94395	95263	96132	93851

Chiliades centum Logarithmorum.

Num	0	1	2	3	4	5	6	7	8	9	Lo.D. 2
5000	698.97000	97869	98738	99606	00474	01343	02212	03080	03949	04817	93851
5001	699.05685	06554	07422	08291	09159	10027	10896	11764	12632	13500	93851
5002	.14369	15237	16105	16973	17842	18710	19578	20446	21314	22182	93851
5003	.23050	23918	24786	25654	26522	27390	28258	29126	29994	30862	93851
5004	.31730	32598	33466	34334	35202	36069	36937	37805	38673	39540	93851
5005	.40408	41276	42144	43011	43879	44747	45614	46482	47349	48217	93801
5006	.49085	49952	50820	51687	52555	53422	54290	55157	56024	56892	93801
5007	.57759	58627	59494	60361	61229	62096	62963	63830	64698	65565	93801
5008	.66432	67299	68166	69034	69901	70768	71635	72502	73369	74236	93801
5009	.75103	75970	76837	77704	78571	79438	80305	81172	82039	82906	93801
5010	.83773	84639	85506	86373	87240	88107	88973	89840	90707	91574	93801
5011	.92440	93307	94174	95040	95907	96773	97640	98507	99373	00240	93751
5012	700.01106	01973	02839	03706	04572	05439	06305	07171	08038	08904	93751
5013	.09770	10637	11503	12369	13236	14102	14968	15834	16701	17567	93751
5014	.18433	19299	20165	21031	21897	22764	23630	24496	25362	26228	93751
5015	.27094	27960	28826	29692	30558	31423	32289	33155	34021	34887	93751
5016	.35753	36619	37484	38350	39216	40082	40947	41813	42679	43544	93751
5017	.44410	45276	46141	47007	47873	48738	49604	50469	51335	52200	93701
5018	.53066	53931	54797	55662	56527	57393	58258	59124	59989	60854	93701
5019	.61720	62585	63450	64315	65181	66046	66911	67776	68641	69506	93701
5020	.70372	71237	72102	72968	73832	74697	75562	76427	77292	78157	93701
5021	.79022	79887	80752	81617	82482	83347	84212	85076	85941	86806	93701
5022	.87671	88536	89400	90265	91130	91995	92860	93724	94589	95453	93701
5023	.96318	97182	98047	98912	99776	00641	01505	02370	03234	04099	93651
5024	701.04963	05827	06692	07556	08421	09285	10149	11014	11878	12742	93651
5025	.13606	14471	15335	16199	17064	17928	18792	19656	20520	21384	93651
5026	.22248	23113	23977	24841	25705	26569	27433	28297	29161	30025	93651
5027	.30888	31752	32616	33480	34344	35208	36072	36936	37799	38663	93651
5028	.39527	40391	41254	42118	42982	43845	44709	45573	46436	47300	93601
5029	.48164	49027	49891	50754	51618	52481	53345	54208	55072	55935	93601
5030	.56799	57662	58525	59389	60252	61115	61979	62842	63705	64568	93601
5031	.65432	66295	67158	68021	68885	69748	70611	71474	72337	73200	93601
5032	.74063	74926	75789	76652	77515	78378	79241	80104	80967	81830	93601
5033	.82693	83556	84419	85282	86144	87007	87870	88733	89596	90458	93601
5034	.91321	92184	93047	93909	94772	95634	96497	97360	98222	99085	93550
5035	.99947	00810	01673	02535	03398	04260	05122	05985	06847	07710	93550
5036	702.08572	09435	10697	11159	12022	12884	13746	14608	15471	16333	93550
5037	.17195	18057	18919	19782	20644	21506	22368	23230	24092	24954	93550
5038	.25816	26678	27540	28402	29264	30126	30988	31850	32712	33574	93550
5039	.34436	35298	36160	37021	37883	38745	39607	40468	41330	42192	93550
5040	.43054	43911	44777	45639	46500	47362	48223	49085	49947	50808	93500
5041	.51670	52531	53393	54254	55116	55977	56839	57700	58561	59423	93500
5042	.60284	61145	62007	62868	63729	64591	65452	66313	67174	68036	93500
5043	.68897	69758	70619	71480	72341	73203	74064	74925	75786	76647	93500
5044	.77508	78369	79230	80091	80952	81813	82674	83534	84395	85256	93500
5045	.86117	86978	87839	88700	89560	90421	91282	92143	93003	93864	93500
5046	.94725	95585	96446	97307	98167	99028	99888	00749	01609	02470	93449
5047	703.03330	04191	05051	05912	06772	07633	08493	09353	10214	11054	93449
5048	.11935	12795	13655	14516	15376	16236	17096	17957	18818	19677	93449
5049	.20537	21397	22257	23117	23977	24838	25698	26558	27418	28278	93449

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D. 2
5050	703·29138	29998	30858	31718	32578	33438	34297	35057	36017	36877	93449
5051	·37737	38597	39456	40316	41176	42036	42895	43755	44615	45475	93449
5052	·46334	47194	48053	48913	49773	50632	51492	52351	53211	54070	93399
5053	·54930	55789	56649	57508	58368	59227	60086	60946	61805	62664	93399
5054	·63524	64383	65242	66102	66961	67820	68679	69539	70398	71257	93399
5055	·72116	72975	73834	74693	75552	76411	77271	78130	78989	79848	93399
5056	·80707	81565	82424	83283	84142	85001	85860	86719	87578	88437	93399
5057	·89295	90154	91013	91872	92730	93589	94448	95307	96165	97024	93999
5058	·97883	98741	99600	00458	01317	02175	03034	03892	04751	05609	93348
5059	704·06468	07326	08185	09043	09902	10760	11618	12477	13335	14193	93348
5060	·15052	15910	16768	17626	18485	19343	20201	21059	21917	22776	93348
5061	·23634	24492	25350	26208	27066	27924	28782	29640	30498	31356	93348
5062	·32214	33072	33930	34788	35646	36504	37361	38219	39077	39935	93348
5063	·40793	41651	42508	43366	44224	45081	45939	46797	47654	48512	93348
5064	·49369	50227	51085	51942	52800	53658	54515	55373	56230	57088	93298
5065	·57945	58802	59660	60517	61375	62232	63089	63946	64804	65661	93298
5066	·66519	67376	68233	69090	69948	70805	71662	72519	73376	74233	93298
5067	·75090	75948	76805	77662	78519	79376	80233	81090	81947	82804	93298
5068	·83661	84518	85374	86231	87088	87945	88802	89659	90516	91372	93298
5069	·92229	93086	93943	94799	95656	96513	97369	98226	99083	99939	93298
5070	705·00796	01653	02509	03366	04222	05079	05935	06792	07648	08505	93247
5071	·09361	10217	11074	11930	12787	13643	14499	15356	16212	17068	93247
5072	·17924	18781	19637	20493	21349	22206	23062	23918	24774	25630	93247
5073	·26485	27342	28198	29054	29910	30766	31622	32478	33334	34190	93247
5074	·35046	35902	36758	37614	38470	39326	40182	41037	41893	42749	93247
5075	·43605	44460	45316	46172	47028	47883	48739	49595	50450	51306	93247
5076	·52161	53017	53872	54728	55584	56439	57295	58150	59005	59861	93196
5077	·60716	61572	62427	63283	64138	64993	65849	66704	67559	68414	93196
5078	·69270	70125	70980	71835	72691	73546	74401	75256	76111	76966	93196
5079	·77821	78676	79531	80386	81241	82096	82951	83806	84661	85516	93196
5080	·86371	87226	88081	88936	89791	90646	91500	92355	93210	94065	93196
5081	·94919	95774	96629	97484	98338	99193	00048	00902	01757	02611	93196
5082	706·03466	04321	05175	06030	06884	07739	08593	09448	10302	11157	93145
5083	·12011	12865	13720	14574	15428	16283	17137	17991	18845	19700	93145
5084	·20554	21408	22263	23117	23971	24825	25679	26533	27388	28242	93145
5085	·29096	29940	30804	31658	32512	33366	34220	35074	35928	36782	93145
5086	·37636	38489	39343	40197	41051	41905	42759	43612	44466	45320	93145
5087	·46174	47027	47881	48735	49589	50442	51296	52149	53003	53857	93145
5088	·54710	55564	56417	57271	58124	58978	59831	60685	61538	62392	93094
5089	·63245	64098	64952	65805	66659	67512	68365	69218	70072	70925	93094
5090	·71778	72631	73485	74338	75191	76044	76897	77750	78604	79457	93094
5091	·80309	81163	82016	82869	83722	84575	85428	86281	87134	87987	93094
5092	·88840	89692	90545	91398	92251	93104	93957	94809	95662	96515	93094
5093	·97368	98220	99073	99926	00778	01631	02484	03336	04189	05041	93094
5094	707·05894	06747	07599	08452	09304	10157	11009	11862	12714	13566	93043
5095	·14419	15271	16124	16976	17828	18681	19533	20385	21237	22090	93043
5096	·22942	23794	24646	25499	26351	27203	28055	28907	29759	30611	93043
5097	·31463	32315	33167	34019	34871	35723	36575	37427	38279	39131	93043
5098	·39983	40835	41687	42539	43391	44242	45094	45946	46798	47649	93043
5099	·48501	49353	50205	51056	51908	52760	53611	54463	55314	56166	93043

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Num	0	1	2	3	4	5	6	7	8	9	Lo. D 2
5100	707·57018	57869	58721	59572	60424	61275	62127	62978	63830	64681	92992
5101	·65532	66384	67235	68086	68938	69789	70640	71492	72343	73194	92992
5102	·74045	74897	75748	76599	77450	78301	79152	80003	80855	81706	92992
5103	·82557	83408	84259	85110	85961	86812	87663	88514	89365	90216	92992
5104	·91067	91917	92768	93619	94470	95321	96172	97022	97873	98724	92992
5105	·99575	00425	01276	02127	02977	03828	04679	05529	06379	07230	92992
5106	708·08081	08932	09782	10633	11483	12334	13184	14035	14885	15735	92941
5107	·16586	17436	18287	19137	19987	20838	21688	22538	23388	24239	92941
5108	·25089	25939	26789	27639	28490	29340	30190	31040	31890	32740	92941
5109	·33590	34440	35290	36140	36990	37840	38690	39540	40390	41240	92941
5110	·42090	42940	43790	44640	45489	46339	47189	48039	48888	49738	92941
5111	·50588	51438	52288	53137	53987	54837	55686	56536	57385	58235	92941
5112	·59085	59934	60784	61633	62483	63332	64182	65031	65880	66730	92820
5113	·67579	68429	69278	70127	70977	71826	72675	73525	74374	75223	92820
5114	·76072	76922	77771	78620	79469	80318	81167	82017	82866	83715	92820
5115	·84564	85413	86262	87111	87960	88809	89658	90507	91356	92205	92820
5116	·93054	93902	94751	95600	96449	97298	98147	98995	99844	00693	92820
5117	709·01542	02390	03239	04088	04936	05785	06644	07482	08331	09180	92839
5118	·10028	10877	11725	12574	13422	14271	15119	15968	16816	17665	92839
5119	·18513	19361	20210	21078	21906	22755	23603	24451	25300	26148	92839
5120	·26996	27844	28693	29541	30389	31237	32085	32933	33781	34630	92839
5121	·35478	36326	37174	38022	38870	39718	40566	41414	42262	43110	92839
5122	·43957	44805	45653	46501	47349	48197	49045	49892	50740	51588	92839
5123	·52436	53283	54131	54979	55826	56674	57522	58369	59217	60065	92788
5124	·60912	61760	62607	63455	64302	65150	65997	66845	67692	68540	92788
5125	·69387	70234	71082	71929	72776	73624	74471	75318	76166	77013	92788
5126	·77860	78707	79555	80402	81249	82096	82943	83790	84638	85485	92788
5127	·86332	87179	88026	88873	89720	90567	91414	92261	93108	93955	92788
5128	·94802	95649	96495	97342	98189	99036	99883	00730	01576	02423	92788
5129	710·03270	04117	04964	05810	06657	07503	08350	09197	10043	10890	92737
5130	·11737	12583	13430	14276	15123	15969	16816	17662	18509	19355	92737
5131	·20201	21047	21894	22741	23587	24433	25280	26126	26972	27818	92737
5132	·28665	29511	30357	31203	32050	32896	33742	34588	35434	36280	92737
5133	·37127	37973	38819	39665	40511	41357	42203	43049	43895	44741	92737
5134	·45586	46432	47278	48124	48970	49816	50662	51507	52353	53199	92737
5135	·54045	54891	55736	56582	57428	58273	59119	59965	60810	61655	92685
5136	·62502	63347	64193	65038	65884	66729	67575	68420	69266	70111	92685
5137	·70956	71802	72647	73493	74338	75183	76029	76874	77719	78565	92685
5138	·79410	80255	81100	81946	82791	83636	84481	85326	86172	87017	92685
5139	·87862	88707	89552	90397	91242	92087	92932	93777	94622	95467	92685
5140	·96312	97157	98002	98847	99691	00536	01381	02226	03071	03916	92685
5141	711·04760	05605	06450	07295	08139	08984	09829	10673	11518	12363	92685
5142	·13207	14052	14896	15741	16586	17430	18274	19119	19964	20808	92634
5143	·21652	22497	23341	24186	25030	25874	26719	27563	28407	29252	92634
5144	·30096	30940	31784	32629	33473	34317	35161	36006	36850	37694	92634
5145	·38538	39382	40226	41070	41914	42758	43602	44446	45290	46134	92634
5146	·46978	47822	48666	49510	50354	51198	52042	52885	53729	54573	92634
5147	·55417	56261	57104	57948	58792	59636	60479	61323	62167	63010	92634
5148	·63854	64697	65541	66385	67228	68072	68915	69759	70602	71446	92582
5149	·72289	73133	73976	74819	75663	76506	77350	78193	79036	79880	92582

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5150	711.80723	81566	82409	83253	84096	84939	85782	86626	87469	88312	92582
5151	·89155	89998	90841	91684	92527	93370	94213	95056	95899	96742	92582
5152	·97585	98428	99271	00114	00957	01800	02643	03486	04329	05171	92582
5153	712.06014	06857	07700	08543	09385	10228	11071	11913	12756	13599	92582
5154	·14441	15284	16127	16969	17812	18654	19497	20339	21182	22024	92531
5155	·22867	23709	24552	25394	26237	27079	27922	28764	29606	30449	92531
5156	·31291	32133	32975	33818	34660	35502	36344	37187	38029	38871	92531
5157	·39714	40555	41397	42240	43082	43924	44766	45608	46450	47292	92531
5158	·48134	48975	49818	50660	51502	52343	53185	54027	54869	55711	92531
5159	·56553	57395	58236	59078	59920	60762	61603	62445	63287	64129	92531
5160	·64970	65812	66653	67495	68337	69178	70020	70861	71703	72544	92479
5161	·73386	74227	75069	75910	76752	77593	78435	79276	80117	80959	92479
5162	·81800	82641	83483	84324	85165	86006	86848	87689	88530	89371	92479
5163	·90213	91054	91895	92736	93577	94418	95259	96100	96941	97782	92479
5164	·98623	99464	00305	01146	01987	02828	03669	04510	05351	06192	92479
5165	713.07033	07873	08714	09555	10396	11237	12077	12918	13759	14600	92479
5166	·15440	16281	17122	17962	18803	19643	20484	21325	22165	23006	92427
5167	·23846	24687	25527	26368	27208	28049	28889	29729	30570	31410	92427
5168	·32251	33091	33931	34771	35612	36452	37292	38133	38973	39813	92427
5169	·40653	41493	42334	43174	44014	44854	45694	46534	47374	48214	92427
5170	·49054	49894	50734	51574	52414	53254	54094	54934	55774	56614	92427
5171	·57454	58294	59133	59973	60813	61653	62493	63332	64172	65012	92427
5172	·65852	66691	67531	68371	69210	70050	70890	71729	72569	73408	92376
5173	·74248	75087	75927	76766	77606	78445	79285	80124	80964	81803	92376
5174	·82642	83482	84321	85161	86000	86839	87678	88518	89357	90196	92376
5175	·91035	91874	92714	93553	94392	95231	96070	96910	97749	98588	92376
5176	·99427	00266	01105	01944	02783	03622	04461	05300	06139	06978	92376
5177	·07817	08655	09494	10333	11172	12011	12850	13688	14527	15366	92376
5178	714.16204	17043	17882	18721	19559	20398	21237	22075	22914	23752	92324
5179	·24591	25430	26268	27107	27945	28784	29622	30461	31299	32138	92324
5180	·32976	33814	34653	35491	36329	37168	38006	38844	39683	40521	92324
5181	·41360	42197	43036	43874	44712	45550	46388	47227	48065	48903	92324
5182	·49741	50579	51417	52255	53093	53931	54769	55607	56445	57283	92324
5183	·58121	58959	59797	60635	61472	62310	63148	63986	64824	65662	92324
5184	·66499	67337	68175	69012	69850	70688	71526	72363	73201	74038	92324
5185	·74876	75714	76551	77389	78226	79064	79901	80739	81576	82414	92272
5186	·83251	84089	84926	85763	86601	87438	88276	89113	89950	90788	92272
5187	·91625	92462	93299	94137	94974	95811	96648	97485	98322	99160	92272
5188	·99997	00834	01671	02508	03345	04182	05019	05856	06693	07530	92272
5189	715.08367	09204	10041	10878	11715	12552	13388	14225	15062	15899	92272
5190	·16736	17573	18409	19246	20083	20920	21756	22593	23430	24267	92272
5191	·25103	25939	26776	27613	28449	29286	30122	30959	31795	32632	92220
5192	·33468	34305	35141	35978	36814	37651	38487	39323	40160	40996	92220
5193	·41832	42669	43504	44341	45177	46014	46850	47686	48522	49358	92220
5194	·50194	51031	51867	52703	53539	54375	55211	56047	56883	57719	92220
5195	·58555	59391	60227	61063	61899	62735	63571	64407	65243	66078	92220
5196	·66914	67750	68586	69421	70257	71093	71929	72765	73600	74436	92220
5197	·75272	76107	76943	77779	78614	79450	80285	81121	81956	82792	92168
5198	·83628	84463	85298	86134	86969	87805	88640	89476	90311	91146	92168
5199	·91982	92817	93652	94488	95323	96158	96994	97829	98664	99499	92168

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5200	716.00334	01169	02005	02840	03675	04510	05345	06180	07015	07850	92168
5201	.08685	09520	10355	11190	12025	12860	13695	14530	15365	16200	92168
5202	.17035	17870	18704	19539	20374	21209	22044	22878	23713	24548	92168
5203	.25383	26217	27052	27887	28721	29556	30391	31225	32060	32894	92116
5204	.33729	34563	35398	36232	37067	37901	38736	39570	40405	41239	92116
5205	.42073	42908	43742	44576	45411	46245	47079	47914	48748	49582	92116
5206	.50416	51250	52085	52919	53753	54587	55421	56255	57090	57924	92116
5207	.58758	59592	60426	61260	62094	62928	63762	64596	65430	66264	92116
5208	.67098	67931	68765	69599	70433	71267	72100	72934	73768	74602	92116
5209	.75436	76269	77103	77937	78771	79604	80438	81272	82105	82939	92064
5210	.83772	84606	85439	86273	87106	87940	88774	89607	90440	91274	92064
5211	.92107	92941	93774	94608	95441	96274	97108	97941	98774	99607	92064
5212	717.00441	01274	02107	02940	03774	04607	05440	06273	07106	07939	92064
5213	.08772	09605	10439	11272	12105	12938	13771	14604	15437	16270	92064
5214	.17103	17936	18769	19601	20434	21267	22100	22933	23766	24598	92064
5215	.25431	26264	27097	27930	28762	29595	30428	31260	32093	32926	92064
5216	.33758	34591	35423	36256	37089	37921	38754	39586	40419	41250	92012
5217	.42084	42916	43749	44581	45413	46246	47078	47910	48743	49575	92012
5218	.50407	51240	52072	52904	53737	54569	55401	56233	57065	57898	92012
5219	.58730	59562	60394	61226	62058	62890	63722	64554	65386	66218	92012
5220	.67050	67882	68714	69546	70378	71210	72042	72874	73706	74537	92012
5221	.75369	76201	77033	77865	78696	79528	80360	81192	82023	82855	92012
5222	.83687	84518	85350	86182	87013	87845	88676	89508	90340	91171	91960
5223	.92003	92834	93665	94497	95328	96160	96991	97823	98654	99485	91960
5224	718.00317	01148	01979	02811	03642	04473	05305	06136	06967	07798	91960
5225	.08629	09461	10292	11123	11954	12785	13616	14447	15278	16109	91960
5226	.16941	17772	18603	19434	20265	21095	21926	22757	23588	24419	91960
5227	.25250	26081	26912	27743	28573	29404	30235	31066	31897	32727	91960
5228	.33558	34389	35219	36050	36881	37711	38542	39372	40203	41034	91907
5229	.41864	42695	43525	44356	45186	46017	46847	47678	48508	49338	91907
5230	.50169	50999	51830	52660	53490	54321	55151	55981	56812	57642	91907
5231	.58472	59302	60132	60963	61793	62623	63453	64283	65113	65943	91907
5232	.66774	67604	68434	69264	70094	70924	71754	72584	73414	74244	91907
5233	.75073	75903	76733	77563	78393	79223	80053	80882	81712	82542	91907
5234	.83372	84202	85031	85861	86691	87520	88350	89180	90009	90839	91907
5235	.91669	92498	93328	94157	94987	95816	96646	97475	98305	99134	91855
5236	.99964	00793	01623	02452	03281	04110	04940	05769	06599	07428	91855
5237	719.08257	09087	09916	10745	11574	12404	13233	14062	24891	15720	91855
5238	.16549	17379	18208	19037	19866	20695	21524	22353	23182	14011	91855
5239	.24840	25669	26498	27327	28156	28984	29813	30642	21471	32300	91855
5240	.33128	33957	34786	35615	36444	37273	38101	38930	39759	40587	91855
5241	.41416	42245	43073	43902	44730	45559	46388	47216	48045	48873	91803
5242	.49702	50530	51359	52187	53015	53844	54672	55501	56329	57157	91803
5243	.57986	58814	59642	60471	61299	62127	62955	63784	64612	65440	91803
5244	.66268	67095	67925	68752	69581	70409	71237	72065	72893	73721	91803
5245	.74549	75377	76205	77033	77861	78689	79517	80344	81173	82001	91803
5246	.82829	83656	84484	85312	86140	86967	87795	88623	89451	90279	91803
5247	.91106	91934	92762	93589	94417	95245	96072	96900	97728	98555	91750
5248	.99383	00210	01038	01865	02693	03520	04348	05175	06002	06830	91750
5249	720.07657	08485	09312	10139	10967	11794	12621	13449	14276	15103	91750

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5250	720.15930	16758	17585	18412	19239	20066	20893	21721	22548	23374	91750
5251	.24202	25029	25856	26683	27510	28337	29164	29991	30818	31645	91750
5252	.32472	33299	34126	34952	35779	36606	37433	38260	39087	39913	91750
5253	.40740	41567	42394	43220	44047	44874	45700	46527	47354	48180	91750
5254	.49007	49833	50660	51486	52313	53140	53966	54793	55619	56446	91698
5255	.57272	58098	58925	59751	60578	61404	62230	63057	63883	64709	91698
5256	.65536	66362	67188	68014	68841	69667	70493	71319	72145	72972	91698
5257	.73798	74624	75449	76276	77102	77928	78754	79580	80406	81232	91698
5258	.82058	82884	83710	84536	85362	86188	87014	87840	88665	89491	91698
5259	.90317	91143	91969	92795	93620	94446	95272	96097	96923	97749	91698
5260	.98574	99400	00226	01051	01877	02702	03528	04354	05179	06005	91645
5261	721.06830	07656	08481	09307	10132	10957	11783	12608	13434	14259	91645
5262	.15084	15910	16735	17560	18386	19211	20036	20861	21687	22512	91645
5263	.23337	24162	24987	25812	26638	27463	28288	29113	29938	30763	91645
5264	.31588	32413	33238	34063	34888	35713	36538	37363	38188	39013	91645
5265	.39837	40662	41487	42312	43137	43962	44787	45611	46436	47261	91645
5266	.48085	48910	49735	50560	51384	52209	53033	53858	54683	55507	91592
5267	.56332	57156	57981	58805	59630	60454	61279	62103	62927	63752	91592
5268	.64577	65401	66225	67050	67874	68698	69523	70347	71171	71996	91592
5269	.72820	73644	74468	75293	76117	76941	77765	78589	79413	80237	91592
5270	.81062	81886	82710	83534	84358	85182	86006	86830	87654	88478	91592
5271	.89302	90126	90949	91773	92597	93421	94245	95069	95893	96716	91592
5272	.97540	98364	99188	00011	00835	01659	02483	03306	04130	04954	91592
5273	722.05777	06601	07424	08248	09071	09895	10718	11542	12366	13189	91539
5274	.14013	14836	15659	16483	17306	18130	18953	19776	20600	21423	91539
5275	.22246	23070	23893	24716	25540	26363	27186	28009	28832	29656	91539
5276	.30479	31302	32125	32948	33771	34594	35417	36240	37063	37886	91539
5277	.38709	39532	40355	41178	42001	42824	43647	44470	45293	46116	91539
5278	.46939	47761	48584	49407	50230	51053	51875	52698	53521	54344	91539
5279	.55166	55989	56812	57634	58457	59279	60102	60925	61747	62570	91487
5280	.63392	64215	65037	65860	66682	67505	68327	69150	69972	70795	91487
5281	.71617	72439	73261	74084	74906	75728	76551	77373	78195	79017	91487
5282	.79840	80662	81484	82306	83128	83951	84773	85595	86417	87239	91487
5283	.88061	88883	89705	90527	91349	92171	92993	93815	94637	95459	91487
5284	.96281	97103	97925	98746	99568	00390	01212	02034	02856	03677	91487
5285	723.04499	05321	06143	06964	07786	08608	09429	10251	11073	11894	91487
5286	.12716	13537	14359	15181	16002	16824	17645	18467	19288	20109	91434
5287	.20931	21752	22574	23395	24217	25038	25859	26681	27502	28323	91434
5288	.29145	29966	30787	31608	32430	33251	34072	34893	35714	36536	91434
5289	.37357	38178	38999	39820	40641	41462	42283	43104	43925	44746	91434
5290	.45567	46388	47209	48030	48851	49672	50493	51314	52134	52955	91434
5291	.53776	54597	55418	56239	57059	57880	58701	59521	60342	61163	91434
5292	.61984	62804	63625	64445	65256	66087	66907	67728	68548	69369	91381
5293	.70189	71010	71830	72651	73471	74292	75112	75933	76753	77573	91381
5294	.78394	79214	80034	80859	81674	82495	83316	84136	84956	85776	91381
5295	.86596	87416	88237	89057	89877	90697	91517	92337	93158	93978	91381
5296	.94798	95618	96438	97258	98078	98898	99718	00538	01357	02177	91381
5297	724.02997	63817	04637	05457	06277	07097	07916	08736	09556	10376	91381
5298	.11195	12015	12835	13655	14474	15294	16114	16933	17753	18572	91328
5299	.19392	20212	21031	21851	22670	23490	24309	25129	25948	26768	91328

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5300	724·27587	28406	29226	30045	30865	31684	32503	33322	34142	34961	91328
5301	·35780	36600	37419	38238	39057	39877	40696	41515	42334	43153	91328
5302	·43972	44791	45611	46430	47249	48068	48887	49706	50525	51344	91328
5303	·52163	52982	53801	54619	55438	56257	57076	57895	58714	59533	91328
5304	·60351	61170	61989	62808	63627	64445	65264	66083	66901	67720	91328
5305	·68539	69357	70176	70995	71813	72632	73450	74269	75088	75906	91275
5306	·76724	77543	78362	79180	79998	80817	81635	82454	83272	84090	91275
5307	·84909	85727	86545	87364	88182	89000	89819	90637	91455	92273	91275
5308	·93091	93910	94728	95546	96364	97182	98000	98818	99636	00454	91275
5309	724·01273	02091	02909	03727	04544	05363	06180	06998	07815	08634	91275
5310	·09452	10270	11088	11906	12724	13541	14359	15177	15995	16812	91275
5311	·17630	18448	19266	20083	20901	21719	22536	23354	24171	24989	91275
5312	·25807	26624	27442	28259	29077	29894	30712	31530	32347	33164	91222
5313	·33982	34799	35616	36434	37251	38068	38886	39703	40520	41338	91222
5314	·42155	42972	43790	44607	45424	46241	47058	47875	48693	49510	91222
5315	·50327	51144	51961	52778	53595	54412	55229	56046	56863	57680	91222
5316	·58497	59314	60131	60948	61765	62582	63399	64216	65032	65849	91222
5317	·66666	67483	68300	69116	69933	70750	71567	72383	73200	74017	91222
5318	·74833	75649	76467	77283	78100	78916	79733	80549	81366	82183	91169
5319	·82999	83816	84632	85448	86265	87081	87898	88714	89531	90347	91169
5320	·91163	91980	92796	93612	94428	95245	96061	96877	97693	98510	91169
5321	·99326	00142	00958	01774	02591	03407	04223	05039	05855	06671	91169
5322	726·07487	08303	09119	09935	10751	11567	12383	13199	14015	14831	91169
5323	·15647	16462	17278	18094	18910	19726	20542	21357	22173	22989	91169
5324	·23805	24620	25436	26252	27067	27883	28699	29514	30330	31146	91115
5325	·31961	32777	33592	34408	35223	36039	36854	37670	38485	39301	91115
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5327	·48270	49084	49900	50715	51531	52346	53161	53976	54791	55606	91115
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5329	·64573	65387	66202	67017	67832	68647	69462	70276	71091	71906	91115
5330	·72721	73536	74350	75165	75980	76795	77610	78424	79239	80054	91115
5331	·80868	81683	82498	83312	84127	84941	85756	86570	87385	88200	91062
5332	·89014	89829	90643	91457	92272	93086	93901	94715	95530	96344	91062
5333	·97158	97973	98787	99601	00416	01230	02044	02858	03673	04487	91062
5334	727·05301	06115	06930	07744	08558	09372	10186	11000	11814	12628	91062
5335	·13442	14256	15070	15884	16698	17512	18326	19140	19954	20768	91062
5336	·21582	22396	23210	24024	24838	25651	26465	27279	28093	28907	91062
5337	·29720	30534	31348	32161	32975	33789	34602	35416	36230	37043	91062
5338	·37857	38671	39484	40298	41111	41924	42738	43552	44365	45179	91009
5339	·45992	46806	47619	48432	49246	50059	50872	51686	52499	53312	91009
5340	·54126	54939	55752	56565	57379	58192	59005	59818	60632	61445	91009
5341	·62258	63071	63884	64697	65510	66323	67136	67949	68762	69575	91009
5342	·70388	71201	72014	72827	73640	74453	75266	76079	76892	77705	91009
5343	·78517	79330	80143	80956	81769	82581	83394	84207	85019	85832	91009
5344	·86644	87458	88270	89083	89896	90708	91521	92333	93146	93958	90955
5345	·94771	95583	96396	97208	98021	98833	99646	00458	01271	02083	90955
5346	728·02895	03708	04520	05332	06145	06957	07769	08582	09394	10206	90955
5347	·11018	11831	12643	13455	14267	15079	15891	16704	17516	18328	90955
5348	·19140	19952	20764	21576	22388	23200	24012	24824	25636	26448	90955
5349	·27260	28072	28884	29695	30507	31319	32131	32943	33755	34566	90955

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5351	.43495	44307	45118	45930	46741	47553	48365	49176	49988	50799	90902
5352	.51610	52422	53233	54045	54856	55668	56479	57290	58102	58913	90902
5353	.59724	60536	61347	62158	62969	63781	64592	65403	66214	67026	90902
5354	.67837	68648	69459	70270	71081	71892	72703	73514	74325	75137	90902
5355	.75948	76759	77569	78380	79191	80002	80813	81624	82435	83246	90902
5356	.84057	84868	85679	86489	87300	88111	88922	89732	90543	91354	90902
5357	.92165	92975	93786	94597	95407	96218	97029	97839	98650	99460	90804
5358	729.00271	01081	01892	02703	03513	04324	05134	05944	06755	07565	90804
5359	.08376	09186	09996	10807	11617	12427	13238	14048	14858	15669	90804
5360	.16479	17289	18099	18910	19720	20530	21340	22150	22960	23771	90804
5361	.24581	25391	26201	27011	27821	28631	29441	30251	31061	31871	90804
5362	.32681	33491	34301	35111	35921	36731	37540	38350	39160	39970	90804
5363	.40780	41589	42399	43209	44019	44829	45638	46448	47258	48067	90804
5364	.48877	49687	50496	51306	52115	52925	53735	54544	55354	56163	90794
5365	.56973	57782	58592	59401	60210	61020	61829	62639	63448	64257	90794
5366	.65067	65876	66685	67495	68304	69113	69923	70732	71541	72350	90794
5367	.73160	73969	74778	75587	76396	77205	78014	78824	79633	80442	90794
5368	.81251	82060	82869	83678	84487	85296	86105	86914	87723	88532	90794
5369	.89340	90149	90958	91767	92576	93385	94193	95002	95811	96620	90794
5370	.97429	98238	99046	99855	00663	01472	02281	03089	03898	04707	90794
5371	730.05515	06324	07132	07941	08749	09558	10367	11175	11983	12792	90741
5372	.13600	14409	15217	16026	16834	17642	18451	19259	20067	20876	90741
5373	.21684	22492	23301	24109	24917	25725	26534	27342	28150	28958	90741
5374	.29766	30574	31382	32191	32999	33807	34615	35423	36231	37039	90741
5375	.37847	38655	39463	40271	41079	41887	42695	43502	44310	45118	90741
5376	.45926	46734	47542	48349	49157	49965	50773	51581	52388	53196	90741
5377	.54004	54811	55619	56427	57234	58042	58849	59657	60464	61272	90687
5378	.62080	62887	63695	64502	65310	66117	66925	67732	68540	69347	90687
5379	.70154	70962	71769	72577	73384	74191	74998	75806	76613	77420	90687
5380	.78227	79035	79842	80649	81456	82264	83071	83878	84685	85492	90687
5381	.86299	87106	87913	88720	89527	90334	91141	91948	92755	93562	90687
5382	.94369	95176	95983	96790	97597	98404	99211	00017	00824	01631	90687
5383	731.02438	03244	04051	04858	05665	06472	07278	08085	08892	09698	90687
5384	.10505	11312	12118	12925	13732	14538	15345	16151	16958	17764	90633
5385	.18571	19377	20184	20990	21797	22603	23409	24216	25022	25829	90633
5386	.26635	27441	28248	29054	29860	30666	31473	32279	33085	33891	90633
5387	.34698	35504	36310	37116	37922	38728	39534	40341	41147	41953	90633
5388	.42759	43565	44371	45177	45983	46789	47595	48401	49207	50012	90633
5389	.50818	51624	52430	53236	54042	54848	55653	56459	57265	58071	90633
5390	.58877	59682	60488	61294	62099	62905	63711	64516	65322	66128	90633
5391	.66933	67739	68544	69350	70155	70961	71766	72572	73377	74193	90579
5392	.74988	75794	76599	77405	78210	79015	79821	80626	81431	82237	90579
5393	.83042	83847	84653	85458	86263	87068	87873	88679	89484	90289	90579
5394	.91094	91899	92704	93510	94315	95120	95925	96730	97515	98340	90579
5395	.99145	99949	00755	01559	02365	03169	03975	04779	05584	06389	90579
5396	732.07194	07999	08804	09608	10413	11218	12023	12828	13632	14437	90579
5397	.15242	16047	16851	17656	18460	19265	20069	20874	21679	22483	90525
5398	.23288	24093	24897	25702	26506	27311	28115	28919	29724	30528	90525
5399	.31333	32137	32942	33746	34550	353 55	36159	36963	37767	38572	90525

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5401	·47418	48222	49026	49830	50634	51438	52242	53046	53850	54654	90525
5402	·55458	56262	57066	57870	58674	59478	60281	61085	61889	62693	90525
5403	·63497	64301	65104	65408	66712	67516	68319	69123	69927	70730	90525
5404	·71534	72338	73141	73945	74749	75552	76356	77159	77963	78766	90471
5405	·79570	80373	81177	81980	82784	83587	84391	85194	85997	86801	90471
5406	·87604	88407	89211	90014	90817	91621	92424	93227	94031	94834	90471
5407	·95637	96440	97243	98046	98850	99653	00456	01259	02062	02865	90471
5408	733·03668	04471	05274	06077	06880	07683	08486	09289	10092	10895	90471
5409	·11698	12501	13304	14107	14910	15713	16515	17318	18121	18924	90471
5410	·19727	20529	21332	22135	22937	23740	24543	25345	26148	26951	90471
5411	·27753	28556	29359	30161	30964	31766	32569	33371	34174	34976	90417
5412	·35779	36581	37384	38186	38989	39791	40593	41396	42198	43000	90417
5413	·43803	44605	45407	46210	47012	47814	48616	49419	50221	51023	90417
5414	·51825	52627	53429	54232	55034	55836	56638	57440	58242	59044	90417
5415	·59846	60648	61450	62252	63054	63856	64658	65460	66262	67064	90417
5416	·67866	68667	69469	70271	71073	71875	72676	73478	74280	75082	90417
5417	·75884	76685	77487	78289	79090	79892	80694	81495	82297	83098	90417
5418	·83900	84702	85503	86305	87106	87908	88709	89511	90312	91114	90363
5419	·91915	92717	93518	94319	95121	95922	96723	97525	98326	99127	90363
5420	·99929	00730	01531	02332	03134	03935	04736	05537	06338	07140	90363
5421	734·07941	08742	09543	10344	11145	11946	12747	13548	14349	15150	90363
5422	·15951	16752	17553	18354	19155	19956	20757	21558	22359	23160	90363
5423	·23960	24761	25562	26363	27164	27964	28765	29566	30367	31167	90363
5424	·31968	32769	33569	34370	35171	35971	36772	37573	38373	39174	90308
5425	·39974	40775	41575	42376	43176	43977	44777	45578	46378	47179	90308
5426	·47979	48779	49580	50380	51180	51981	52781	53581	54382	55182	90308
5427	·55982	56782	57583	58383	59183	59983	60783	61584	62384	63184	90308
5428	·63984	64784	65584	66384	67184	67984	68784	69584	70384	71184	90308
5429	·71984	72784	73584	74384	75184	75984	76784	77583	78383	79183	90308
5430	·79983	80783	81583	82382	83182	83982	84782	85581	86381	87181	90308
5431	·87980	88780	89580	90379	91179	91978	92778	93578	94377	95177	90254
5432	·95976	96776	97575	98375	99174	99974	00773	01572	02372	03171	90254
5433	735·03971	04770	05569	06369	07168	07967	08766	09566	10365	11164	90254
5434	·11963	12763	13562	14361	15160	15959	16758	17558	18356	19157	90254
5435	·19955	20754	21553	22352	23151	23950	24749	25548	26347	27146	90254
5436	·27945	28744	29543	30342	31140	31939	32738	33537	34336	35134	90254
5437	·35933	36732	37531	38330	39128	39927	40726	41524	42323	43122	90254
5438	·43920	44719	45518	46316	47115	47913	48712	49510	50308	51107	90200
5439	·51906	52704	53503	54301	55100	55898	56697	57495	58293	59092	90200
5440	·59890	60688	61487	62285	63083	63881	64680	65478	66276	67074	90200
5441	·67873	68671	69469	70267	71065	71863	72661	73460	74258	75056	90200
5442	·75854	76652	77450	78248	79046	79844	80642	81440	82238	83036	90200
5443	·83833	84631	85429	86227	87025	87823	88621	89418	90216	91014	90200
5444	·91812	92609	93407	94205	95003	95800	96598	97396	98193	98991	90200
5445	·99788	00586	01384	02181	02979	03776	04574	05371	06169	06966	90145
5446	736·07764	08561	09359	10156	10953	11751	12548	13346	14143	14940	90145
5447	·15738	16535	17332	18129	18927	19724	20521	21318	22116	22913	90145
5448	·23710	24507	25304	26101	26898	27696	28493	29289	30087	30884	90145
5449	·31681	32478	33275	34072	34869	35666	36463	37260	38056	38853	90145

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5450	736.39650	40447	41244	42041	42838	43634	44431	45228	46025	46821	90145
5451	·47618	48415	49212	50008	50805	51602	52398	53195	53992	54788	90145
5452	·55585	56381	57178	57974	58771	59567	60364	61160	61957	62753	90091
5453	·63550	64346	65143	65939	66735	67532	68328	69124	69921	70717	90091
5454	·71513	72310	73106	73902	74698	75495	76291	77087	77883	78679	90091
5455	·79475	80272	81068	81864	82660	83456	84252	85048	85844	86640	90091
5456	·87436	88232	89028	89824	90620	91415	92212	93008	93804	94600	90091
5457	·95395	96191	96987	97783	98579	99374	00170	00966	01762	02557	90091
5458	737.03353	04149	04945	05740	06536	07331	08127	08923	09718	10514	90091
5459	·11309	12105	12901	13696	14492	15287	16083	16878	17673	18469	90036
5460	·19264	20060	20856	21650	22446	23241	24036	24832	25627	26422	90036
5461	·27218	28013	28808	29603	30399	31194	31989	32784	33579	34374	90036
5462	·35170	35965	36760	37555	38350	39145	39940	40735	41530	42325	90036
5463	·43120	43915	44710	45505	46300	47095	47890	48685	49479	50274	90036
5464	·51069	51864	52659	53453	54248	55043	55838	56633	57427	58222	90036
5465	·59017	59811	60606	61401	62195	62990	63784	64579	65374	66168	89982
5466	·66963	67757	68552	69346	70141	70935	71730	72524	73319	74113	89982
5467	·74907	75702	76496	77291	78085	78879	79673	80468	81262	82056	89982
5468	·82851	83645	84439	85233	86027	86822	87616	88410	89204	89998	89982
5469	·90792	91586	92381	93175	93969	94763	95557	96351	97145	97939	89982
5470	·98733	99527	00321	01114	01908	02702	03496	04290	05084	05878	89982
5471	738.06671	07465	08259	09053	09847	10640	11434	12228	13022	13815	89982
5472	·14509	15403	16196	16990	17783	18577	19371	20164	20958	21751	89927
5473	·22545	23338	24132	24925	25719	26512	27306	28099	28893	29686	89927
5474	·30479	31273	32066	32859	33653	34446	35239	36033	36826	37619	89927
5475	·38412	39206	39999	40792	41585	42378	43171	43965	44758	45551	89927
5476	·46344	47137	47930	48723	49516	50309	51102	51895	52688	53481	89927
5477	·54274	55067	55860	56653	57446	58239	59031	59824	60617	61410	89927
5478	·62203	62996	63788	64581	65374	66167	66959	67752	68545	69337	89927
5479	·70130	70923	71715	72508	73301	74093	74886	75678	76471	77263	89872
5480	·78056	78848	79641	80433	81226	82018	82811	83603	84395	85188	89872
5481	·85980	86773	87565	88357	89150	89942	90734	91526	92319	93111	89872
5482	·93903	94695	95488	96280	97072	97864	98656	99448	00240	01033	89872
5483	739.01825	02617	03409	04201	04993	05785	06577	07369	08161	08953	89872
5484	·09745	10537	11328	12120	12912	13704	14496	15288	16080	16871	89872
5485	·17663	18455	19247	20038	20830	21622	22414	23205	23997	24789	89872
5486	·25580	26372	27164	27955	28747	29538	30330	31121	31913	32705	89817
5487	·33496	34288	35079	35870	36662	37453	38245	39036	39828	40619	89817
5488	·41410	42202	42993	43784	44575	45367	46158	46949	47741	48532	89817
5489	·49323	50114	50905	51697	52488	53279	54070	54861	55652	56443	89817
5490	·57234	58026	58817	59608	60399	61190	61981	62772	63563	64353	89817
5491	·65144	65935	66726	67517	68308	69099	69890	70680	71471	72262	89817
5492	·73053	73844	74634	75425	76216	77007	77797	78588	79379	80169	89817
5493	·80960	81751	82541	83332	84122	84913	85703	86494	87285	88075	89762
5494	·88866	89656	90446	91237	92027	92818	93608	94399	95189	95979	89762
5495	·96770	97560	98350	99141	99931	00721	01511	02302	03092	03882	89762
5496	740.04672	05463	06253	07043	07833	08623	09413	10203	10994	11784	89762
5497	·12574	13364	14154	14944	15734	16524	17314	18104	18894	19684	89762
5498	·20474	21263	22053	22843	23633	24423	25213	26003	26792	27582	89762
5499	·28372	29162	29951	30741	31531	32321	33110	33900	34690	35479	89762

Chiliades centum Logarithmorum.

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5500	740·36269	37059	37848	38638	39427	40217	41006	41796	42586	43375	89707
5501	·44165	44954	45743	46533	47322	48112	48901	49691	50480	51269	89707
5502	·52059	52848	53637	54427	55216	56005	56794	57584	58373	59162	89707
5503	·59951	60740	61530	62319	63108	63897	64686	65475	66264	67053	89707
5504	·67843	68632	69421	70210	70999	71788	72577	73366	74154	74943	89707
5505	·75732	76521	77310	78099	78888	79677	80466	81254	82043	82832	89707
5506	·83621	84409	85198	85987	86776	87564	88353	89142	89930	90719	89707
5507	·91508	92296	93085	93873	94662	95451	96239	97028	97816	98605	89652
5508	·99393	00182	00970	01759	02547	03335	04124	04912	05701	06489	89652
5509	741·07277	08066	08854	09642	10430	11219	12007	12795	13583	14372	89652
5510	·15159	15948	16736	17524	18313	19101	19889	20677	21465	22253	89652
5511	·23041	23829	24617	25405	26193	26981	27769	28557	29345	30133	89652
5512	·30921	31709	32497	33285	34072	34860	35648	36436	37224	38011	89652
5513	·38799	39587	40375	41162	41950	42738	43526	44313	45101	45889	89652
5514	·46676	47464	48251	49039	49827	50614	51402	52189	52977	53764	89597
5515	·54552	55339	56127	56914	57701	58489	59276	60064	60851	61638	89597
5516	·62426	63213	64000	64788	65575	66362	67149	67937	68724	69511	89597
5517	·70298	71086	71873	72659	73447	74234	75021	75808	76595	77383	89597
5518	·78169	78957	79744	80531	81318	82105	82892	83679	84466	85252	89597
5519	·86039	86826	87613	88400	89187	89974	90761	91547	92334	93121	89597
5520	·93908	94695	95481	96268	97055	97841	98628	99415	00201	00988	89597
5521	742·01775	02561	03348	04135	04921	05708	06494	07281	08067	08854	89542
5522	·09640	10427	11213	12000	12786	13572	14359	15145	15932	16718	89542
5523	·17504	18291	19077	19863	20650	21436	22222	23008	23795	24581	89542
5524	·25367	26153	26939	27726	28512	29298	30084	30870	31656	32442	89542
5525	·33228	34014	34800	35586	36372	37158	37944	38730	39516	40302	89542
5526	·41088	41874	42660	43446	44232	45017	45803	46589	47375	48161	89542
5527	·48946	49732	50518	51304	52089	52875	53661	54446	55232	56018	89542
5528	·56803	57589	58375	59160	59946	60731	61517	62302	63088	63874	89486
5529	·64659	65444	66230	67015	67801	68586	69372	70157	70942	71728	89486
5530	·72513	73298	74084	74869	75654	76440	77225	78010	78795	79581	89486
5531	·80366	81151	81936	82721	83507	84292	85077	85862	86647	87432	89486
5532	·88217	89002	89787	90572	91357	92142	92927	93712	94497	95282	89486
5533	·96067	96852	97637	98422	99207	99991	00776	01561	03346	03131	89486
5534	743·03915	04700	05485	06270	07054	07839	08624	09409	10193	10978	89486
5535	·11763	12547	13332	14116	14901	15686	16470	17255	18039	18824	89431
5536	·19608	20393	21177	21962	22746	23530	24315	25099	25884	26668	89431
5537	·27452	28237	29021	29805	30590	31374	32158	32942	33727	34511	89431
5538	·35295	36079	36864	37648	38432	39216	40000	40784	41568	42352	89431
5539	·43137	43921	44705	45489	46273	47057	47841	48625	49409	50193	89431
5540	·50976	51760	52544	53328	54112	54896	55680	56464	57247	58031	89431
5541	·58815	59599	60383	61166	61950	62734	63517	64301	65085	65869	89431
5542	·66652	67436	68219	69003	69787	70570	71354	72137	72921	73704	89376
5543	·74488	75271	76055	76838	77622	78405	79189	79972	80755	81539	89376
5544	·82322	83106	83889	84672	85455	86239	87022	87805	88589	89372	89376
5545	·90155	90938	91721	92504	93288	94071	94854	95637	96420	97203	89376
5546	·97987	98770	99553	00336	01119	01902	02685	03468	04251	05034	89376
5547	744·05817	06600	07382	08165	08948	09731	10514	11297	12080	12862	89376
5548	·13645	14428	15211	15994	16776	17559	18342	19124	19907	20690	89376
5549	·21472	22255	23038	23820	24603	25386	26168	26951	27733	28516	89320

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5550	744·29298	30081	30863	31646	32428	33211	33993	34776	35558	36340	89320
5551	·37123	37905	38687	39469	40252	41034	41817	42599	43381	44164	89320
5552	·44946	45728	46510	47292	48075	48857	49639	50421	51203	51985	89320
5553	·52767	53549	54332	55114	55896	56678	57459	58242	59024	59806	89320
5554	·60588	61369	62151	62933	53715	64497	65279	66061	66843	67625	89320
5555	·68406	69188	69969	70752	71533	72315	73097	73879	74660	75442	89320
5556	·76224	77005	77787	78569	79350	80132	80913	81695	82477	83258	89256
5557	·84039	84821	85603	86384	87166	87947	88729	89510	90291	91073	89256
5558	·91854	92636	93416	94198	94979	91761	96542	97324	98105	98886	89256
5559	·99667	00449	01229	02011	02792	03573	04355	05136	05917	06698	89256
5560	745·07479	08260	09041	09822	10603	11385	12166	12947	13728	14509	89256
5561	·15289	16070	16851	17632	18413	19194	19975	20756	21538	22318	89256
5562	·23098	23879	24660	25441	26222	27002	27783	28564	29345	30125	89256
5563	·30906	31687	32467	33248	34029	34809	35589	36370	37151	37932	89209
5564	·38712	39493	40273	41054	41834	42615	43395	44176	44956	45736	89209
5565	·46517	47297	48078	48858	49638	50419	51199	51979	52759	53539	89309
5566	·54320	55100	55881	56661	57441	58221	59002	59782	60562	61342	89209
5567	·62122	62902	63682	64462	65243	66023	66803	67583	68363	69143	89209
5568	·69923	70703	71483	72263	73042	73823	74602	75382	76162	76942	89209
5569	·77722	78502	78281	80061	80841	81621	82401	83180	83960	847 9	89209
5570	·85519	86299	87079	87859	88638	89418	90197	90977	91757	92538	89153
5571	·93316	94095	94875	95654	96434	97213	97993	98772	99552	00331	89153
5572	746·01111	01890	02669	03449	04228	05008	05787	06566	07 46	08125	89153
5573	·08904	09684	10463	11242	12021	12801	13579	14359	15138	15917	89153
5574	·16696	17476	18255	19034	19813	20592	21371	22150	22929	23708	89153
5575	·24487	25266	26045	26824	27603	28382	29161	29939	30719	31498	89153
5576	·32277	33055	33834	34613	35392	36171	36949	37728	38507	39286	89153
5577	·40064	40843	41622	42401	43179	43958	44737	45515	46294	47072	89153
5578	·47851	48629	49408	50187	50965	51744	52522	53301	54079	54858	89097
5579	·55636	56415	57193	57971	58749	59528	60307	61085	61863	62642	89097
5580	·63419	64198	64976	65753	66533	67311	68089	68868	69646	70424	89097
5581	·71202	71980	72759	73537	74315	75093	75871	76649	77427	78205	89097
5582	·78983	79761	80539	81317	82095	82873	83651	84429	85207	85985	89097
5583	·86763	87541	88319	89096	89874	90652	91429	92208	92985	93763	89097
5584	·94541	95319	96096	96874	97652	98429	99207	99985	00763	01540	89097
5585	747·02318	03095	03873	04651	05428	06206	06983	07761	08538	09316	89042
5586	·10093	10871	11648	12425	13203	13980	14758	15535	16312	17089	89042
5587	·17867	18644	19422	20199	20976	21754	22531	23308	24085	24863	89042
5588	·25639	26417	27194	27971	28748	29526	30303	31079	31857	32634	89042
5589	·33411	34188	34965	35742	36519	37296	38073	38849	39627	40404	89042
5590	·41181	41958	42735	43511	44288	45065	45842	46619	47396	48173	89042
5591	·48949	49726	50523	51279	52056	52833	53609	54386	55163	55[illegible]9	89042
5592	·56716	57493	58269	59046	59823	60599	61376	62152	62929	63705	88 86
5593	·64482	65258	66035	66811	67588	68364	69141	69917	70693	71469	88986
5594	·72246	73023	73799	74575	75352	76128	76904	77680	78457	79233	88986
5595	·80009	80785	81562	82338	83114	83890	84666	85442	86218	86994	88986
5596	·87771	88547	89323	90099	90875	91651	92427	93203	93979	94755	88986
5597	·95531	96307	97083	97858	98634	99410	00186	00962	01738	02514	88986
5598	748·03289	04065	04841	05617	06393	07168	07944	08719	09495	10271	88986
5599	·11047	11822	12598	13374	14149	14925	15700	16476	17252	18027	88930

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5600	748·18803	19578	20354	21129	21905	22680	23456	24231	25006	25782	88930
5601	·26557	27333	28108	28883	29659	30434	31209	31985	32760	33535	88930
5602	·34310	35086	35861	36636	37411	38187	38962	39737	40512	41287	88930
5603	·42062	42837	43612	44388	45163	45938	46713	47488	48263	49038	88930
5604	·49813	50588	51363	52138	52912	53687	54462	55237	56012	56787	88930
5605	·57562	58337	59111	59886	60661	61436	62210	62985	63760	64535	88930
5606	·65310	66084	66859	67633	68408	69183	69957	70732	71506	72281	88930
5607	·73056	73830	74605	75379	76154	76928	77703	78477	79252	80026	88874
5608	·80801	81575	82349	83124	83898	84672	85447	86221	86995	87770	88874
5609	·88544	89318	90093	90867	91641	92415	93189	93964	94738	95512	88874
5610	·96286	97060	97834	98608	99383	00157	00931	01705	02479	03253	88874
5611	749·04027	04801	05575	06349	07123	07897	08671	09445	10218	10992	88874
5612	·11766	12540	13314	14088	14862	15635	16409	17183	17957	18730	88874
5613	·19504	20278	21052	21825	22599	23373	24146	24920	25694	26467	88874
5614	·27241	28014	28788	29562	30335	31109	31882	32656	33429	34203	88817
5615	·34976	35750	36523	37296	38070	38843	39617	40390	41163	41937	88817
5616	·42710	43483	44257	45030	45803	46576	47350	48123	48896	49669	88817
5617	·50442	51216	51989	52762	53535	54308	55081	55854	56627	57400	88817
5618	·58173	58947	59720	60493	61266	62039	62811	63584	64357	65130	88817
5619	·65903	66676	67449	68222	68995	69768	70540	71313	72086	72859	88817
5620	·73632	74404	75177	75950	76723	77495	78268	79041	79813	80586	88817
5621	·81359	82131	82904	83676	84449	85222	85994	86767	87539	88312	88761
5622	·89084	89857	90629	91402	92174	92946	93719	94491	95264	96036	88761
5623	·96808	97581	98353	99125	99898	00670	01442	02214	02987	03759	88761
5624	750·04531	05303	06076	06848	07620	08392	09164	09936	10708	11481	88761
5625	·12253	13025	13797	14569	15341	16113	16885	17657	18429	19201	88761
5626	·19973	20745	21517	22289	23060	23832	24604	25376	26148	26920	88761
5627	·27692	28463	29235	30007	30779	31550	32322	33094	33866	34637	88761
5628	·35409	36181	36952	37724	38495	39267	40039	40810	41582	42353	88705
5629	·43125	43896	44668	45439	46211	46982	47754	48525	49297	50068	88705
5630	·50839	51611	52382	53154	53925	54696	55468	56239	57010	57781	88705
5631	·58553	59324	60095	60866	61638	62409	63180	63951	64722	65493	88705
5632	·66265	67036	67807	68578	69349	70120	70891	71662	72433	73204	88705
5633	·73975	74746	75517	76288	77059	77830	78601	79372	80143	80913	88705
5634	·81684	82455	83226	83997	84768	85538	86309	87080	87851	88621	88705
5635	·89392	90163	90933	91704	92475	93245	94016	94787	95557	96228	88705
5636	·97098	97869	98640	99410	00181	00951	01722	02492	03263	04033	88649
5637	751·04803	05574	06344	07115	07885	08655	09426	10196	10967	11737	88649
5638	·12507	13277	14048	14818	15588	16358	17129	17899	18669	19439	88649
5639	·20209	20979	21750	22520	23290	24060	24830	25600	26370	27140	88649
5640	·27910	28680	29450	30220	30990	31760	32530	33300	34070	34840	88649
5641	·35610	36380	37150	37920	38689	39459	40229	40999	41769	42538	88649
5642	·43308	44078	44848	45617	46387	47157	47926	48696	49466	50235	88649
5643	·51005	51775	52544	53314	54083	54853	55622	56392	57162	57931	88592
5644	·58701	59470	60239	61009	61778	62548	63318	64087	64856	65625	88592
5645	·66395	67164	67933	68703	69472	70241	71010	71780	72549	73318	88592
5646	·74087	74857	75626	76395	77164	77933	78702	79472	80241	81009	88592
5647	·81779	82548	83317	84086	84855	85624	86393	87162	87931	88700	88592
5648	·89469	90238	91007	91776	92544	93313	94082	94851	95620	96389	88592
5649	·97157	97926	98695	99464	00233	01001	01770	02539	03307	04076	88592

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Num.	0	1	2	3	4	5	6	7	8	9	Lo. D 2
5650	752·04845	05613	06382	07151	07919	08688	09457	10225	10994	11762	88536
5651	·12531	13299	14068	14836	15605	16373	17142	17910	18679	19447	88536
5652	·20215	20984	21752	22520	23289	24057	24825	25594	26362	27130	88536
5653	·27899	28667	29435	30203	30971	31740	32508	33276	34044	34812	88536
5654	·35580	36349	37117	37885	38653	39421	40189	40957	41725	42493	88536
5655	·43261	44029	44797	45565	46333	47101	47869	48636	49404	50172	88536
5656	·50940	51708	52476	53244	54011	54779	55547	56315	57082	57850	88536
5657	·58618	59386	60153	60921	61689	62456	63224	63992	64759	65527	88536
5658	·66294	67062	67829	68597	69365	70132	70899	71667	72434	73202	88479
5659	·73969	74737	75504	76272	77039	77806	78574	79341	80108	80876	88479
5660	·81643	82410	83178	83945	84712	85479	86247	87014	87781	88548	88479
5661	·89315	90083	90850	91617	92384	93151	93918	94685	95452	96219	88479
5662	·96987	97754	98521	99288	00055	00822	01588	02355	03122	03889	88479
5663	753·04656	05423	06190	06957	07724	08490	09257	10024	10791	11558	88479
5664	·12324	13091	13858	14625	15391	16158	16925	17691	18458	19225	88479
5665	·19991	20758	21525	22291	23058	23824	24591	25357	26124	26891	88422
5666	·27657	28424	29190	29956	30723	31489	32256	33022	33789	34555	88422
5667	·35321	36088	36854	37620	38387	39153	39919	40685	41452	42218	88422
5668	·42984	43750	44517	45283	46049	46815	47581	48347	49114	49880	88422
5669	·50646	51412	52178	52944	53710	54476	55242	56008	56774	57540	88422
5670	·58306	59072	59838	60604	61370	62135	62901	63667	64433	65199	88422
5671	·65965	66731	67496	68262	69028	69794	70559	71325	72091	72856	88422
5672	·73622	74388	75154	75919	76685	77450	78216	78982	79747	80513	88366
5673	·81278	82044	82809	83575	84340	85106	85871	86637	87402	88168	88366
5674	·88933	89699	90464	91229	91995	92760	93525	94291	95056	95821	88366
5675	·96587	97352	98117	98882	99648	00413	01178	01943	02708	03474	88366
5676	754·04239	05004	05769	06534	07299	08064	08829	09594	10359	11124	88366
5677	·11889	12654	13419	14184	14949	15714	16479	17244	18009	18774	88366
5678	·19539	20304	21069	21833	22598	23363	24128	24893	25657	26422	88366
5679	·27187	27952	28716	29481	30246	31010	31775	32540	33304	34069	88366
5680	·34834	35598	36363	37127	37892	38656	39421	40185	40950	41714	88309
5681	·42479	43243	44008	44772	45537	46301	47066	47830	48594	49359	88309
5682	·50123	50887	51652	52416	53180	53944	54709	55473	56237	57001	88309
5683	·57766	58530	59254	60058	60822	61586	62351	63115	63879	64643	88309
5684	·65407	66171	66935	67699	68463	69227	69991	70755	71519	72283	88309
5685	·73047	73811	74575	75339	76103	76866	77630	78394	79158	79922	88309
5686	·80686	81449	82213	82977	83741	84504	85268	86032	86795	87559	88309
5687	·88323	89086	89850	90614	91377	92141	92905	93668	94432	95195	88252
5688	·95959	96722	97486	98249	99013	99776	00539	01303	02067	02830	88252
5689	755·03593	04357	05120	05883	06647	07410	08174	08937	09700	10463	88252
5690	·11227	11990	12753	13516	14280	15043	15806	16569	17332	18095	88252
5691	·18859	19622	20384	21148	21911	22674	23437	24200	24963	25726	88252
5692	·26489	27252	28015	28778	29541	30304	31067	31830	32593	33356	88252
5693	·34118	34881	35644	36407	37170	37933	38695	39458	40221	40984	88252
5694	·41746	42509	43272	44034	44797	45560	46322	47085	47848	48610	88252
5695	·49373	50135	50898	51661	52423	53186	53948	54711	55473	56236	88195
5696	·56998	57761	58523	59285	60048	60810	61573	62335	63097	63860	88195
5697	·64622	65384	66147	66909	67671	68433	69196	69958	70720	71482	88195
5698	·72244	73007	73769	74531	75293	76055	76817	77579	78342	79104	88195
5699	·79866	80628	81390	82152	82914	83676	84438	85200	85962	86724	88195

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Num	0	1	2	3	4	5	6	7	8	9	Lo.D. 2
5700	755·87486	88247	89009	89771	90533	91295	92057	92819	93581	94342	88195
5701	·95104	95866	96628	97389	98151	98913	99675	00436	01198	01960	88195
5702	756·02721	03483	04245	05006	05768	06529	07291	08053	08814	09576	88138
5703	·10337	11099	11860	12622	13383	14145	14906	15667	16429	17190	88138
5704	·17952	18713	19474	20236	20997	21758	22520	23281	24042	24804	88138
5705	·25565	26326	27087	27849	28610	29371	30132	30893	31654	32416	88138
5706	·33177	33938	34699	35460	36221	36982	37743	38504	39265	40026	88138
5707	·40787	41548	42309	43070	43831	44592	45353	46114	46875	47636	88138
5708	·48396	49157	49918	50679	51440	52201	52961	53722	54483	55244	88138
5709	·56004	56765	57526	58286	59047	59808	60568	61329	62090	62850	88138
5710	·63611	64371	65132	65893	66653	67414	68174	68935	69695	70456	88081
5711	·71216	71976	72737	73497	74258	75018	75778	76539	77299	78059	88081
5712	·78819	79580	80340	81101	81861	82621	83382	84142	84902	85662	88081
5713	·86422	87182	87943	88703	89463	90223	90983	91743	92504	93264	88081
5714	·94024	94784	95544	96304	97064	97824	98584	99344	00104	00864	88081
5715	·01623	02383	03143	03903	04663	05423	06183	06943	07702	08462	88081
5716	757·09222	09982	10742	11501	12261	13021	13781	14540	15300	16060	88081
5717	·16819	17579	18339	19098	19858	20617	21377	22136	22896	23656	88024
5718	·24415	25175	25934	26694	27453	28213	28972	29731	30491	31250	88024
5719	·32010	32769	33528	34288	35047	35806	36566	37325	38084	38844	88024
5720	·39603	40362	41121	41881	42640	43399	44158	44917	45677	46436	88024
5721	·47195	47954	48713	49472	50231	50990	51749	52508	53267	54026	88024
5722	·54785	55544	56303	57062	57821	58580	59339	60098	60857	61616	88024
5723	·62375	63133	63892	64651	65410	66169	66928	67686	68445	69204	88024
5724	·69963	70721	71480	72239	72997	73756	74515	75273	76032	76791	88024
5725	·77549	78308	79066	79825	80583	81342	82100	82859	83617	84376	87966
5726	·85134	85893	86651	87410	88168	88927	89685	90443	91202	91960	87966
5727	·92718	93477	94235	94993	95752	96510	97268	98026	98785	99543	87966
5728	758·00301	01059	01817	02575	03333	04092	04850	05608	06366	07124	87966
5729	·07882	08640	09398	10156	10914	11672	12430	13188	13946	14704	87966
5730	·15462	16220	16978	17736	18494	19252	20009	20767	21525	22283	87966
5731	·23041	23799	24556	25314	26072	26830	27587	28345	29103	29861	87966
5732	·30618	31376	32133	32891	33649	34406	35164	35922	36679	37437	87909
5733	·38194	38952	39709	40469	41224	41982	42739	43497	44254	45011	87909
5734	·45769	46526	47284	48041	48798	49556	50313	51070	51828	52585	87909
5735	·53342	54099	54857	55614	56371	57128	57886	58643	59400	60157	87909
5736	·60914	61671	62429	63186	63943	64700	65457	66214	66971	67728	87909
5737	·68485	69242	69999	70756	71513	72270	73027	73784	74541	75298	87909
5738	·76054	76811	77568	78325	79082	79839	80595	81352	82109	82866	87909
5739	·83622	84379	85136	85893	86649	87406	88163	88919	89676	90433	87909
5740	·91189	91946	92702	93459	94216	94972	95729	96485	97242	97998	87852
5741	·98755	99511	00268	01024	01781	02537	03293	04050	04806	05562	87852
5742	759·06319	07075	07831	08588	09344	10100	10857	11613	12369	13125	87852
5743	·13882	14638	15394	16150	16906	17663	18419	19175	19931	20687	87852
5744	·21443	22199	22955	23711	24467	25223	25979	26735	27491	28247	87852
5745	·29003	29759	30515	31271	32027	32783	33539	34295	35051	35806	87852
5746	·36562	37318	38074	38830	39585	40341	41097	41853	42608	43364	87852
5747	·44120	44875	45631	46387	47142	47898	48654	49409	50165	50920	87794
5748	·51676	52432	53187	53943	54698	55454	56209	56965	57720	58475	87794
5749	·59231	59986	60742	61497	62252	63008	63763	64519	65274	66029	87794

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5750	759.66784	67540	68295	69050	69806	70561	71316	72071	72826	73582	87794
5751	·74337	75092	75847	76602	77357	78112	78868	79623	80378	81133	87794
5752	·81888	82643	83398	84153	84908	85663	86418	87173	87928	88683	87794
5753	·89437	90192	90947	91702	92457	93212	93967	94721	95476	96231	87794
5754	·96985	97741	98495	99250	00005	00759	01514	02269	03023	03778	87794
5755	760.04533	05287	06042	06797	07551	08306	09060	09815	10569	11324	87737
5756	·12079	12833	13588	14342	15096	15851	16605	17360	18114	18869	87737
5757	·19623	20377	21132	21886	22640	23395	24149	24903	25658	26412	87737
5758	·27166	27920	28675	29429	30183	30937	31691	32445	33200	33954	87737
5759	·34708	35462	36216	36970	37724	38478	39232	39986	40740	41494	87737
5760	·42248	43002	43756	44510	45264	46018	46772	47526	48280	49034	87737
5761	·49788	50541	51295	52049	52803	53557	54310	55064	55818	56572	87737
5762	·57325	58079	58833	59587	60340	61094	61847	62601	63359	64104	87737
5763	·64862	65616	66369	67123	67876	68630	69383	70137	70890	71644	87679
5764	·72397	73151	73904	74658	75411	76164	76918	77671	78424	79178	87679
5765	·79931	80684	81438	82191	82944	83698	84451	85204	85957	86711	87679
5766	·87464	88217	88970	89723	90477	91230	91983	92736	93489	94242	87679
5767	·94995	95748	96501	97254	98007	98760	99513	00266	01019	01772	87679
5768	761.02525	03278	04031	04784	05537	06290	07043	07795	08548	09301	87679
5769	·10054	10807	11559	12312	13065	13818	14571	15323	16076	16829	87679
5770	·17581	18334	19087	19839	20591	21345	22097	22850	23602	24355	87621
5771	·25107	25860	26613	27365	28118	28870	29622	30375	31127	31880	87621
5772	·32632	33385	34137	34889	35642	36394	37147	37899	38651	39403	87621
5773	·40156	40908	41660	42413	43165	43917	44669	45421	46174	46926	87621
5774	·47678	48430	49182	49934	50686	51439	52191	52943	53695	54447	87621
5775	·55199	55951	56703	57455	58207	58959	59711	60463	61215	61967	87621
5776	·62718	63470	64222	64974	65726	66478	67230	67981	68733	69485	87621
5777	·70237	70989	71740	72492	73244	73995	74747	75499	76250	77002	87621
5778	·77754	78505	79257	80009	80760	81512	82263	83015	83766	84518	87563
5779	·85269	86021	86772	87524	88275	89027	89778	90530	91281	92032	87563
5780	·92784	93535	94287	95038	95789	96541	97292	98043	98794	99546	87563
5781	762.00297	01048	01799	02551	03302	04053	04804	05555	06306	07058	87563
5782	·07809	08560	09311	10062	10813	11564	12315	13066	13817	14568	87563
5783	·15319	16070	16821	17572	18323	19074	19825	20576	21327	22078	87563
5784	·22828	23579	24330	25081	25832	26583	27333	28084	28835	29586	87563
5785	·30336	31087	31838	32588	33339	34090	34840	35591	36342	37092	87563
5786	·37843	38594	39344	40095	40845	41596	42346	43097	43847	44598	87506
5787	·45348	46099	46849	47600	48350	49100	49851	50601	51352	52102	87506
5788	·52852	53603	54353	55103	55853	56604	57354	58104	58855	59605	87506
5789	·60355	61105	61855	62606	63356	64106	64856	65606	66356	67106	87506
5790	·67856	68606	69357	70107	70857	71607	72357	73107	73857	74607	87506
5791	·75356	76106	76856	77606	78356	79106	79856	80606	81356	82105	87506
5792	·82855	83605	84355	85105	85854	86604	87354	88104	88853	89603	87506
5793	·90353	91103	91852	92602	93352	94101	94851	95600	96350	97100	87448
5794	·97849	98559	99348	00097	00847	01597	02346	03096	03845	04594	87448
5795	763.05344	06093	06843	07592	08342	09091	09840	10590	11339	12088	87448
5796	·12837	13587	14336	15086	15835	16584	17333	18082	18832	19581	87448
5797	·20330	21079	21828	22577	23327	24076	24825	25574	26323	27072	87448
5798	·27821	28570	29319	30068	30817	31566	32315	33064	33813	34562	87448
5799	·35311	36060	36809	37558	38306	39055	39804	40553	41302	42051	87448

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5800	763·42799	43548	44297	45046	45794	46543	47292	48041	48789	49538	87448
5801	·50287	51035	51784	52532	53281	54030	54778	55527	56275	57024	87390
5802	·57772	58521	59269	60018	60766	61515	62263	63012	63760	64509	87390
5803	·65257	66005	66754	67502	68251	68999	69747	70496	71244	71992	87390
5804	·72740	73489	74237	74985	75733	76482	77230	77978	78726	79474	87390
5805	·80222	80971	81719	82467	83215	83963	84711	85459	86207	86955	87390
5806	·87703	88451	89199	89947	90695	91443	92191	92939	93687	94435	87390
5807	·95183	95930	96678	97426	98174	98922	99670	00417	01165	01913	87390
5808	764·02661	03409	04156	04904	05652	06399	07147	07895	08642	09390	87390
5809	·10138	10885	11633	12380	13128	13876	14623	15371	16118	16866	87332
5810	·17613	18361	19108	19856	20603	21351	22098	22845	23593	24340	87332
5811	·25088	25835	26582	27330	28077	28824	29572	30319	31066	31813	87332
5812	·32561	33308	34055	34802	35549	36297	37044	37791	38538	39285	87332
5813	·40032	40779	41526	42274	43021	43768	44515	45262	46009	46756	87332
5814	·47503	48250	48997	49744	50491	51237	51984	52731	53478	54225	87332
5815	·54972	55719	56466	57212	57959	58706	59453	60200	60946	61693	87332
5816	·62440	63187	63933	64680	65427	66173	66920	67667	68413	69160	87332
5817	·69906	70653	71400	72146	72893	73639	74386	75132	75879	76625	87273
5818	·77372	78118	78865	79611	80357	81104	81850	82597	83343	84089	87273
5819	·84836	85582	86328	87075	87821	88567	89314	90060	90805	91552	87273
5820	·92298	93045	93791	94537	95283	96029	96776	97522	98268	99014	87273
5821	·99760	00506	01252	01998	02744	03490	04236	04982	05728	06474	87273
5822	765·07220	07966	08712	09458	10204	10950	11696	12441	13187	13933	87273
5823	·14679	15425	16171	16916	17662	18408	19154	19899	20645	21391	87273
5824	·22137	22882	23628	24374	25119	25865	26611	27356	28102	28847	87273
5825	·29593	30339	31084	31830	32575	33321	34066	34812	35557	36303	87215
5826	·37048	37793	38539	39284	40030	40775	41520	42266	43011	43756	87215
5827	·44502	45247	45992	46738	47483	48228	48973	49719	50464	51209	87215
5828	·51954	52699	53445	54190	54935	55680	56425	57170	57915	58660	87215
5829	·59406	60151	60896	61641	62386	63131	63876	64621	65366	66111	87215
5830	·66855	67600	68345	69090	69835	70580	71325	72070	72815	73559	87215
5831	·74304	75049	75794	76538	77283	78028	78773	79517	80262	81007	87215
5832	·81752	82496	83241	83986	84730	85475	86219	86964	87709	88453	87157
5833	·89198	89942	90687	91431	92176	92920	93665	94409	95154	95898	87157
5834	·96642	97387	98131	98876	99620	00364	01109	01853	02597	03342	87157
5835	766·04086	04830	05575	06319	07063	07807	08552	09296	10040	10784	87157
5836	·11528	12272	13017	13761	14505	15249	15993	16737	17481	18225	87157
5837	·18969	19713	20457	21201	21945	22689	23433	24177	24921	25665	87157
5838	·26409	27153	27897	28641	29385	30128	30872	31616	32360	33104	87157
5839	·33848	34591	35335	36079	36823	37566	38310	39054	39797	40541	87157
5840	·41285	42028	42772	43516	44259	45003	45746	46490	47234	47977	87908
5841	·48721	49464	50208	50951	51695	52438	53182	53925	54668	55412	87908
5842	·56155	56899	57642	58385	59129	59872	60615	61359	62102	62845	87908
5843	·63589	64332	65075	65818	66561	67305	68048	68791	69534	70278	87908
5844	·71021	71764	72507	73250	73993	74736	75479	76222	76965	77709	87908
5845	·78452	79194	79938	80681	81424	82166	82909	83652	84395	85138	87908
5846	·85881	86624	87367	88109	88853	89595	90338	91081	91824	92567	87908
5847	·93309	94052	94795	95538	96280	97023	97766	98508	99251	99994	87908
5848	767·00736	01479	02222	02964	03707	04449	05192	05934	06677	07420	87040
5849	·08162	08905	09647	10390	11132	11874	12617	13359	14102	14844	87040

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5850	767·15587	16392	17071	17814	18556	19298	20041	20783	21525	22268	87040
5851	·23009	23752	24494	25237	25979	26721	27463	28205	28947	29689	87040
5852	·30432	31174	31916	32658	33400	34142	34884	35626	36368	37110	87040
5853	·37852	38594	39336	40078	40820	41562	42304	43046	43788	44529	87040
5854	·45272	46014	46756	47497	48239	48981	49723	50465	51206	51948	87040
5855	·52689	53432	54173	54915	55657	56399	57140	57882	58624	59365	87040
5856	·60107	60848	61590	62332	63073	63815	64556	65298	66039	66781	86981
5857	·67522	68264	69005	69747	70488	71229	71971	72713	73454	74195	86981
5858	·74937	75678	76419	77161	77902	78643	79385	80126	80867	81609	86981
5859	·82349	83091	83832	84573	85315	86056	86797	87538	88279	89020	86981
5860	·89762	90503	91244	91985	92726	93467	94208	94949	95690	96431	86981
5861	·97172	97913	98654	99395	00136	00877	01618	02359	03099	03841	86981
5862	768·04581	05322	06063	06804	07545	08286	09026	09767	10508	11249	86981
5863	·11989	12730	13471	14212	14952	15693	16434	17174	17915	18656	86981
5864	·19396	20137	20877	21618	22359	23099	23839	24580	25321	26061	86923
5865	·26802	27542	28283	29023	29763	30504	31244	31985	32725	33466	86923
5866	·34206	34946	35687	36427	37167	37908	38648	39388	40128	40869	86923
5867	·41609	42349	43089	43829	44569	45309	46049	46790	47530	48270	86923
5868	·49011	49751	50491	51231	51971	52711	53451	54191	54931	55671	86923
5869	·56411	57151	57891	58631	59371	60111	60851	61591	62330	63070	86923
5870	·63810	64549	65289	66029	66769	67509	68249	68989	69729	70468	86923
5871	·71208	71948	72687	73427	74167	74907	75646	76386	77125	77865	86923
5872	·78605	79344	80084	80823	81563	82303	83042	83782	84521	85261	86864
5873	·86000	86739	87479	88218	88958	89697	90437	91176	91915	92655	86864
5874	·93394	94134	94873	95612	96352	97091	97830	98569	99309	00048	86864
5875	769·00787	01526	02266	03005	03744	04483	05222	05961	06700	07439	86864
5876	·08179	08918	09657	10396	11135	11874	12613	13352	14091	14830	86864
5877	·15569	16308	17047	17786	18525	19264	20003	20742	21480	22219	86864
5878	·22958	23697	24436	25175	25913	26652	27391	28129	28869	29607	86864
5879	·30346	31085	31823	32562	33301	34039	34778	35517	36255	36994	86864
5880	·37733	38471	39209	39948	40687	41425	42163	42902	43641	44379	86805
5881	·45118	45856	46595	47333	48072	48810	49549	50287	51025	51764	86805
5882	·52502	53240	53979	54717	55455	56194	56932	57670	58408	59147	86805
5883	·59885	60623	61361	62099	62838	63576	64314	65052	65790	66528	86805
5884	·67266	68004	68743	69481	70219	70957	71695	72433	73171	73909	86805
5885	·74647	75385	76123	76861	77598	78336	79074	79812	80556	81288	86805
5886	·82026	82764	83501	84239	84977	85715	86453	87190	87928	88666	86805
5887	·89404	90141	90879	91617	92354	93092	93829	94567	95305	96043	86805
5888	·96780	97518	98255	98993	99730	00468	01205	01943	02680	03418	86746
5889	770·04155	04893	05630	06368	07105	07843	08580	09317	10055	10792	86746
5890	·11529	12267	13004	13741	14479	15216	15953	16691	17428	18165	86746
5891	·18902	19639	20377	21114	21851	22588	23325	24062	24799	25537	86746
5892	·26274	27011	27748	28485	29222	29959	30696	31433	32170	32907	86746
5893	·33644	34381	35118	35855	36592	37329	38066	38803	39539	40276	86746
5894	·41013	41749	42487	43224	43960	44697	45434	46171	46907	47644	86746
5895	·48381	49118	49854	50591	51328	52064	52801	53538	54274	55011	86746
5896	·55747	56484	57221	57957	58694	59430	60167	60903	61639	62376	86687
5897	·63113	63849	64586	65322	66059	66795	67531	68268	69004	69741	86687
5898	·70477	71213	71949	72686	73422	74158	74895	75631	76367	77103	86687
5899	·77839	78576	79312	80048	80784	81521	82257	82993	83729	84465	86687

Chiliades centum Logarithmorum.

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5900	770.85201	85937	86673	87409	88145	88881	89617	90354	91089	91824	86687
5901	.92561	93297	94033	94769	95505	96241	96977	97713	98449	99185	86687
5902	.99921	00656	01392	02128	02864	03599	04335	05071	05807	06543	86687
5903	771.07278	08014	08749	09485	10221	10957	11692	12428	13164	13899	86687
5904	.14635	15370	16106	16842	17577	18313	19048	19784	20519	21255	86628
5905	.21990	22726	23461	24197	24932	25667	26403	27138	27874	28609	86628
5906	.29344	30079	30815	31550	32286	33021	33756	34491	35227	35962	86628
5907	.36697	37432	38168	38903	39638	40373	41108	41843	42578	43313	86628
5908	.44049	44784	45519	46254	46989	47724	48459	49194	49929	50664	86628
5909	.51399	52134	52869	53604	54339	55074	55809	56543	57278	58013	86628
5910	.58748	59483	60218	60953	61687	62422	63157	63892	64626	65361	86628
5911	.66096	66831	67565	68300	69035	69769	70504	71239	71973	72708	86628
5912	.73443	74177	74912	75646	76381	77115	77849	78584	79319	80053	86569
5913	.80788	81522	82257	82991	83726	84460	85195	85929	86663	87398	86569
5914	.88132	88866	89600	90335	91069	91803	92538	93272	94006	94741	86569
5915	.95475	96209	96943	97678	98412	99146	99880	00614	01348	02082	86569
5916	772.02817	03551	04285	05019	05753	06487	07221	07955	08689	09423	86569
5917	.10157	10891	11625	12359	13093	13827	14561	15294	16028	16762	86569
5918	.17496	18230	18964	19698	20431	21165	21899	22633	23367	24100	86569
5919	.24834	25568	26301	27035	27769	28502	29236	29970	30703	31437	86569
5920	.32171	32904	33637	34371	35105	35839	36572	37306	38039	38773	86510
5921	.39506	40240	40973	41707	42440	43173	43907	44640	45374	46107	86510
5922	.46840	47574	48307	49040	49774	50507	51240	51974	52707	53440	86510
5923	.54173	54906	55640	56373	57106	57839	58572	59306	60039	60772	86510
5924	.61505	62238	62971	63704	64437	65170	65903	66636	67369	68102	86510
5925	.68835	69568	70301	71034	71767	72500	73233	73966	74699	75432	86510
5926	.76165	76898	77630	78363	79096	79829	80562	81294	82027	82760	86510
5927	.83493	84225	84958	85691	86424	87156	87889	88622	89354	90087	86510
5928	.90820	91552	92285	93017	93750	94482	95215	95948	96680	97412	86451
5929	.98145	98878	99610	00342	01075	01807	02540	03272	04005	04737	86451
5930	773.05469	06202	06934	07666	08399	09131	09863	10596	11328	12060	86451
5931	.12792	13525	14257	14989	15721	16453	17186	17918	18650	19382	86451
5932	.20114	20846	21578	22311	23043	23775	24507	25239	25971	26703	86451
5933	.27435	28167	28899	29631	30363	31095	31827	32559	33290	34022	86451
5934	.34754	35486	36218	36950	37682	38413	39145	39877	40609	41341	86451
5935	.42072	42804	43536	44267	44999	45731	46463	47194	47926	48658	86451
5936	.49389	50121	50852	51584	52316	53047	53779	54510	55242	55973	86391
5937	.56705	57436	58168	58899	59631	60362	61094	61825	62557	63288	86391
5938	.64019	64751	65482	66213	66945	67676	68407	69139	69870	70601	86391
5939	.71333	72064	72795	73526	74257	74989	75720	76451	77182	77913	86391
5940	.78645	79376	80107	80838	81569	82300	83031	83762	84493	85224	86391
5941	.85955	86686	87417	88148	88879	89610	90341	91072	91803	92534	86391
5942	.93265	93996	94727	95457	96188	96919	97650	98381	99111	99842	86391
5943	774.00573	01304	02035	02765	03496	04227	04957	05688	06419	07149	86391
5944	.07880	08611	09341	10072	10803	11533	12264	12994	13725	14455	86332
5945	.15186	15916	16647	17377	18108	18838	19569	20299	21030	21760	86332
5946	.22490	23221	23951	24682	25412	26142	26873	27603	28333	29064	86332
5947	.29794	30524	31254	31985	32715	33445	34175	34905	35636	36366	86332
5948	.37096	37826	38556	39286	40017	40747	41477	42207	42937	43667	86332
5949	.44397	45127	45857	46587	47317	48047	48777	49507	50237	50967	86332

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5950	774·51697	52426	53136	53886	54616	55346	56076	56806	57535	58265	86332
5951	·58995	59725	60455	61184	61914	62644	63374	64103	64833	65563	86332
5952	·66292	67022	67752	68481	69211	69940	70670	71399	72129	72859	86272
5953	·73588	74318	75047	75776	76506	77236	77965	78695	79424	80154	86272
5954	·80883	81612	82342	83071	83801	84529	85259	85989	86718	87447	86672
5955	·88177	88906	89635	90364	91094	91823	92552	93281	94011	94739	86272
5956	·95469	96198	96927	97656	98386	99115	99844	00573	01302	02031	86272
5957	775·02760	03489	04218	04947	05676	06405	07134	07863	08592	09321	86272
5958	·10049	10779	11508	12237	12966	13694	14423	15152	15881	16609	86272
5959	·17339	18067	18796	19525	20254	20982	21711	22439	23169	23897	86272
5960	·24626	25355	26083	26812	27541	28269	28998	29726	30455	31184	86272
5961	·31912	32641	33369	34098	34826	35555	36283	37012	37740	38469	86213
5962	·39197	39926	40654	41382	42111	42839	43568	44296	45024	45753	86213
5963	·46481	47209	47938	48666	49394	50122	50850	51579	52307	53035	86213
5964	·53763	54492	55219	55948	56676	57404	58132	58861	59589	60317	86213
5965	·61045	61773	62501	63229	63957	64685	65413	66141	66869	67597	86213
5966	·68325	69053	69781	70509	71237	71965	72692	73420	74148	74876	86213
5967	·75604	76332	77059	77787	78515	79243	79971	80698	81426	82154	86213
5968	·82881	83609	84337	85065	85792	86519	87247	87975	88703	89430	86213
5969	·90158	90885	91613	92341	93068	93796	94523	95251	95978	96706	86153
5970	·97433	98161	98888	99615	00343	01070	01798	02525	03252	03979	86153
5971	776·04707	05434	06162	06889	07616	08344	09071	09798	10525	11253	86153
5972	·11979	12707	13434	14162	14889	15616	16343	17070	17797	18524	86153
5973	·19251	19979	20776	21433	22159	22887	23614	24341	25068	25795	86153
5974	·26522	27249	27976	28703	29429	30157	30883	31610	32337	33064	86153
5975	·33791	34518	35245	35971	36698	37425	38152	38879	39605	40332	86153
5976	·41059	41786	42512	43239	43966	44692	45419	46146	46872	47599	86153
5977	·48326	49052	49779	50505	51232	51958	52685	53412	54138	54865	86093
5978	·55591	56318	57044	57770	58497	59223	59949	60676	61403	62129	86093
5979	·62855	63582	64308	65034	65761	66487	67213	67939	68666	69392	86093
5980	·70118	70845	71571	72297	73023	73749	74476	75202	75928	76654	86093
5981	·77380	78106	78832	79559	80285	81011	81737	82463	83189	83915	86093
5982	·84641	85367	86093	86819	87545	88271	88997	89723	90449	91174	86093
5983	·91900	92626	93352	94078	94804	95529	96255	96981	97807	98433	86093
5984	·99158	99884	00609	01336	02061	02787	03513	04239	04964	05689	86093
5985	777·06415	07141	07867	08592	09318	10044	10769	11495	12220	12946	86333
5986	·13671	14397	15122	15848	16573	17299	18024	18749	19476	20200	86333
5987	·20926	21651	22377	23102	23827	24553	25278	26003	26729	27454	86333
5988	·28179	28904	29629	30355	31080	31805	32531	33256	33981	34706	86333
5989	·35431	36156	36882	37607	38332	39057	39782	40507	41232	41957	86333
5990	·42682	43407	44132	44857	45582	46307	47032	47757	48482	49207	86333
5991	·49932	50657	51382	52107	52832	53556	54281	55006	55731	56456	86333
5992	·57180	57905	58630	59355	60079	60804	61529	62254	62978	63703	86333
5993	·64428	65152	65877	66602	67326	68051	68776	69500	70225	70949	85973
5994	·71674	72398	73123	73847	74572	75296	76021	76745	77469	78194	85973
5995	·78919	79643	80368	81092	81816	82541	83265	83989	84714	85438	85973
5996	·86162	86887	87611	88335	89059	89784	90508	91232	91956	92681	85973
5997	·93405	94129	94853	95577	96302	97026	97749	98747	99198	99922	85973
5998	·00646	01370	02094	02818	03542	04266	04990	05714	06438	07162	85973
5999	·07886	08610	09334	10058	10782	11506	12229	12954	13677	14401	85973

Chiliades centum Logarithmorum.

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6000	778.15125	15849	16573	17296	18020	18744	19468	20192	20915	21639	85973
6001	.22363	23086	23810	24534	25257	25981	26704	27428	28152	28876	85973
6002	.29599	30323	31046	31770	32493	33217	33940	34664	35387	36111	85913
6003	.36834	37558	38281	39005	39728	40452	41175	41898	42622	43345	85913
6004	.44068	44792	45515	46238	46962	47685	48408	49131	49855	50578	85913
6005	.51301	52024	52747	53471	54194	54917	55640	56363	57087	57810	85913
6006	.58533	59256	59979	60702	61425	62148	62871	63594	64317	65040	85913
6007	.65763	66486	67209	67932	68655	69378	70101	70824	71547	72270	85913
6008	.72992	73715	74438	75161	75884	76607	77329	78052	78775	79498	85913
6009	.80220	80943	81666	82389	83111	83834	84557	85279	86002	86725	85913
6010	.87447	88169	88892	89615	90337	91060	91783	92505	93228	93950	85853
6011	.94673	95395	96118	96840	97563	98285	99008	99730	00452	01175	85853
6012	779.01897	02620	03342	04064	04787	05509	06231	06954	07676	08398	85853
6013	.09120	09843	10565	11287	12009	12732	13454	14176	14898	15620	85853
6014	.16342	17065	17787	18509	19231	19953	20675	21397	22119	22841	85853
6015	.23563	24285	25007	25729	26451	27173	27895	28617	29339	30061	85853
6016	.30783	31505	32227	32948	33670	34392	35114	35836	36558	37279	85853
6017	.38001	38723	39445	40166	40888	41610	42332	43053	43775	44497	85853
6018	.45218	45940	46662	47383	48105	48826	49548	50270	50991	51713	85793
6019	.52434	53156	53877	54599	55320	56042	56763	57485	58206	58928	85793
6020	.59649	60371	61092	61813	62535	63256	63977	64699	65420	66141	85793
6021	.66863	67584	68305	69027	69748	70469	71190	71912	72633	73354	85793
6022	.74075	74796	75517	76239	76960	77681	78402	79123	79844	80565	85793
6023	.81286	82007	82728	83449	84170	84891	85612	86333	87054	87775	85793
6024	.88496	89217	89938	90659	91380	92101	92822	93543	94263	94984	85793
6025	.95705	96426	97147	97868	98588	99309	00030	00751	01471	02192	85793
6026	780.02913	03633	04354	05075	05795	06516	07237	07957	08678	09399	85793
6027	.10119	10840	11560	12281	13001	13722	14442	15163	15883	16604	85753
6028	.17324	18045	18765	19486	20206	20927	21647	22367	23088	23808	85753
6029	.24528	25249	25969	26689	27410	28130	28850	29570	30291	31011	85753
6030	.31731	32451	33172	33892	34612	35332	36052	36772	37493	38213	85753
6031	.38933	39653	40373	41093	41813	42533	43253	43973	44693	45413	85753
6032	.46133	46853	47573	48293	49013	49733	50453	51173	51893	52613	85753
6033	.53333	54052	54772	55492	56212	56932	57652	58371	59091	59811	85753
6034	.60531	61250	61970	62690	63409	64129	64849	65569	66288	67008	85753
6035	.67727	68447	69167	69886	70606	71325	72045	72765	73484	74204	85672
6036	.74923	75643	76362	77082	77801	78521	79240	79959	80679	81398	85672
6037	.82118	82837	83556	84276	84995	85714	86434	87153	87872	88592	85672
6038	.89311	90030	90749	91469	92188	92907	93626	94345	95065	95784	85672
6039	.96503	97222	97941	98660	99379	00099	00818	01537	02256	02975	85672
6040	781.03644	04413	05132	05851	06570	07289	08008	08727	09446	10165	85672
6041	.10884	11602	12321	13040	13759	14478	15197	15916	16634	17353	85672
6042	.18072	18791	19510	20228	20947	21666	22385	23103	23822	24541	85672
6043	.25259	25978	26697	27415	28134	28853	29571	30290	31008	31727	85612
6044	.32446	33164	33883	34601	35320	36038	36757	37475	38194	38912	85612
6045	.39631	40349	41067	41786	42504	43223	43941	44659	45378	46096	85612
6046	.46814	47533	48251	48969	49687	50406	51124	51842	52560	53279	85612
6047	.53997	54715	55433	56151	56869	57588	58306	59024	59742	60460	85612
6048	.61178	61896	62614	63332	64050	64769	65487	66205	66923	67640	85612
6049	.68358	69076	69794	70512	71230	71948	72666	73384	74102	74820	85612

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6051	.82715	83433	84151	84868	85586	86304	87021	87739	88457	89174	85612
6052	.89892	90610	91327	92045	92762	93480	94197	94915	95632	96350	85551
6053	.97057	97785	98502	99220	99937	00655	01372	02090	02807	03524	85551
6054	782.04242	04959	05676	06394	07111	07828	08546	09263	09980	10697	85551
6055	.11415	12132	12849	13566	14284	15001	15718	16435	17152	17870	85551
6056	.18587	19304	20021	20738	21455	22172	22889	23606	24323	25040	85551
6057	.25757	26474	27191	27908	28625	29342	30059	30776	31493	32210	85551
6058	.32927	33644	34361	35078	35794	36511	37228	37945	38662	39378	85551
6059	.40095	40812	41529	42246	42962	43679	44396	45112	45829	46546	85551
6060	.47262	47979	48696	49412	50129	50846	51562	52279	52995	53712	85491
6061	.54428	55145	55861	56578	57294	58011	58727	59444	60160	60877	85491
6062	.61593	62310	63026	63742	64459	65175	65892	66608	67324	68041	85491
6063	.68757	69473	70189	70906	71622	72338	73054	73771	74487	75203	85491
6064	.75919	76635	77352	78068	78784	79500	80216	80932	81648	82364	85491
6065	.83081	83797	84513	85229	85945	86661	87377	88093	88809	89525	85491
6066	.90241	90957	91672	92388	93104	93820	94536	95252	95968	96684	85491
6067	.97399	98115	98831	99547	00263	00979	01694	02410	03126	03841	85491
6068	783.04557	05273	05989	06704	07420	08136	08851	09567	10283	10998	85491
6069	.11714	12429	13145	13860	14576	15292	16007	16723	17438	18154	85430
6070	.18869	19585	20300	21015	21731	22446	23162	23877	24593	25308	85430
6071	.26023	26739	27454	28169	28885	29600	30315	31031	31746	32461	85430
6072	.33176	33892	34607	35322	36037	36752	37467	38183	38898	39613	85430
6073	.40328	41043	41758	42473	43189	43904	44619	45334	46049	46764	85430
6074	.47479	48194	48909	49624	50339	51054	51769	52484	53198	53913	85430
6075	.54628	55343	56058	56773	57488	58203	58917	59632	60347	61062	85430
6076	.61777	62491	63206	63921	64636	65350	66065	66780	67494	68209	85430
6077	.68924	69638	70353	71068	71782	72497	73211	73926	74640	75355	85369
6078	.76070	75784	77499	78213	78928	79642	80357	81071	81785	82500	85369
6079	.83214	83929	84643	85358	86072	86786	87501	88215	88929	89644	85369
6080	.90358	91072	91787	92501	93215	93929	94644	95358	96072	96786	85369
6081	.97500	98215	98929	99643	00357	01071	01785	02499	03213	03928	85369
6082	784.04642	05356	06070	06784	07498	08212	08926	09640	10354	11068	85369
6083	.11782	12496	13210	13923	14637	15351	16065	16779	17493	18207	85369
6084	.18921	19634	20348	21062	21726	22490	23203	23917	24631	25345	85369
6085	.26058	26772	27486	28199	28913	29627	30340	31054	31768	32481	85369
6086	.33195	33908	34622	35336	36049	36763	37476	38189	38903	39617	85308
6087	.40330	41044	41757	42471	43184	43897	44611	45324	46038	46751	85308
6088	.47464	48178	48891	49604	50318	51031	51744	52458	53171	53884	85308
6089	.54597	55311	56024	56737	57450	58163	58877	59590	60303	61016	85308
6090	.61729	62442	63155	63869	64582	65295	66008	66721	67434	68147	85308
6091	.68860	69573	70286	70999	71712	72425	73138	73851	74564	75277	85308
6092	.75989	76702	77415	78128	78841	79554	80267	80979	81692	82405	85308
6093	.83118	83831	84543	85257	85969	86682	87394	88107	88820	89532	85308
6094	.90245	90958	91670	92383	93096	93808	94521	95233	95946	96658	85247
6095	.97371	98084	98796	99509	00221	00934	01646	02359	03071	03783	85247
6096	785.04496	05208	05921	06633	07345	08058	08770	09483	10195	10907	85247
6097	.11619	12332	13044	13756	14469	15181	15893	16605	17318	18030	85247
6098	.18742	19454	20166	20879	21591	22303	23015	23727	24439	25151	85247
6099	.25863	26575	27287	27999	28712	29424	30136	30848	31560	32272	85247

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6101	·40103	40814	41526	42238	42950	43662	44373	45085	45797	46509	85247
6102	·47220	47932	48644	49355	50067	50779	51490	52202	52914	53625	85247
6103	·54337	55049	55760	56472	57183	57895	58606	59318	60029	60741	85186
6104	·61452	62164	62875	63587	64298	65010	65721	66433	67144	67855	85186
6105	·68567	69278	69989	70701	71412	72124	72835	73546	74257	74969	85186
6106	·75680	76391	77102	77814	78525	79236	79947	80659	81369	82081	85186
6107	·82792	83503	84214	84925	85636	86348	87059	87769	88481	89192	85186
6108	·89903	90614	91325	92036	92747	93458	94169	94879	95591	96301	85186
6109	·97013	97723	98434	99145	99856	00567	01278	01989	02699	03410	85186
6110	786·04121	04832	05543	06253	06964	07675	08386	09096	09807	10518	85186
6111	·11228	11939	12649	13360	14071	14782	15492	16203	16913	17624	85186
6112	·18335	19045	19756	20466	21177	21887	22598	23308	24019	24729	85135
6113	·25439	26150	26860	27571	28281	28992	29702	30412	31123	31833	85135
6114	·32543	33254	33964	34674	35385	36095	36805	37515	38226	38936	85135
6115	·39646	40356	41067	41777	42487	43197	43907	44617	45327	46038	85135
6116	·46748	47458	48168	48878	49588	50298	51008	51718	52428	53138	85135
6117	·53848	54558	55268	55978	56688	57398	58108	58818	59528	60237	85135
6118	·60947	61657	62367	63077	63787	64496	65206	65916	66626	67336	85135
6119	·68045	68755	69465	70175	70884	71594	72304	73013	73723	74433	85135
6120	·75142	75852	76561	77271	77981	78690	79399	80109	80819	81528	85164
6121	·82238	82947	83657	84366	85076	85785	86495	87204	87914	88623	85164
6122	·89333	90042	90751	91461	92170	92879	93589	94298	95007	95717	85164
6123	·96426	97135	97844	98554	99263	99972	00681	01391	02099	02809	85164
6124	787·03518	04227	04937	05645	06355	07064	07773	08482	09191	09900	85164
6125	·10609	11318	12027	12736	13445	14154	14863	15572	16281	16990	85164
6126	·17699	18408	19117	19826	20535	21244	21953	22662	23370	24079	85164
6127	·24788	25497	26206	26914	27623	28332	29041	29749	30458	31167	85164
6128	·31876	32584	33293	34002	34710	35419	36128	36836	37545	38254	85164
6129	·38962	39671	40379	41088	41796	42505	43213	43922	44630	45339	85003
6130	·46047	46756	47464	48173	48881	49589	50298	51006	51715	52423	85003
6131	·53132	53839	54548	55257	55965	56673	57382	58089	58797	59506	85003
6132	·60215	60923	61631	62339	63048	63756	64464	65172	65880	66588	85003
6133	·67296	68005	68713	69421	70129	70837	71545	72253	72961	73669	85003
6134	·74377	75085	75793	76501	77209	77917	78625	79333	80041	80749	85003
6135	·81457	82165	82872	83580	84288	84996	85704	86412	87119	87827	85003
6136	·88535	89243	89951	90658	91366	92074	92782	93489	94197	94905	85003
6137	·95612	96319	97028	97735	98443	99151	99858	00566	01273	01981	84941
6138	788·02688	03396	04103	04811	05519	06226	06934	07641	08348	09056	84941
6139	·09763	10471	11178	11886	12593	13300	14008	14715	15422	16129	84941
6140	·16837	17544	18252	18959	19666	20374	21081	21788	22495	23203	84941
6141	·23909	24617	25324	26031	26738	27446	28153	28859	29567	30274	84941
6142	·30981	31688	32395	33102	33809	34517	35224	35931	36638	37345	84941
6143	·38052	38759	39465	40172	40879	41586	42293	43000	43767	44414	84941
6144	·45121	45828	46534	47241	47948	48655	49362	50068	50775	51482	84941
6145	·52189	52895	53602	54309	55016	55722	56429	57136	57842	58549	84941
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6147	·66321	67028	67734	68441	69147	69854	70560	71267	71973	72679	84880
6148	·73386	74092	74799	75505	76211	76918	77624	78330	79037	79743	84880
6149	·80449	81156	81862	82568	83274	83981	84687	85393	86099	86805	84880

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6151	.94573	95279	95985	96691	97397	98103	98809	99515	00221	00927	84880
6152	789.01633	02339	03045	03750	04456	05162	05868	06574	07280	07986	84880
6153	.08692	09397	10103	10809	11515	12220	12926	13632	14338	15043	84880
6154	.15749	16455	17161	17866	18572	19278	19983	20689	21395	22100	84880
6155	.22806	23511	24217	24922	25628	26334	27039	27745	28450	29156	84818
6156	.29861	30567	31272	31978	32683	33388	34094	34799	35505	36210	84818
6157	.36915	37621	38326	39031	39737	40442	41147	41853	42558	43263	84818
6158	.43968	44674	45379	46084	46789	47495	48200	48905	49610	50315	84818
6159	.51020	51726	52431	53136	53841	54546	55251	55956	56661	57366	84818
6160	.58071	58776	59481	60186	60891	61596	62301	63006	63711	64416	84818
6161	.65121	65826	66531	67236	67940	68645	69350	70055	70760	71465	84818
6162	.72169	72874	73579	74284	74988	75693	76398	77103	77807	78512	84818
6163	.79217	79921	80626	81331	82035	82740	83445	84149	84854	85558	84818
6164	.86263	86968	87672	88377	89081	89786	90490	91195	91899	92604	84757
6165	.93308	94013	94717	95421	96126	96830	97535	98239	98943	99648	84757
6166	790.00352	01056	01761	02465	03169	03873	04578	05282	05986	06691	84757
6167	.07395	08099	08803	09507	10212	10916	11620	12324	13028	13732	84757
6168	.14437	15141	15845	16549	17253	17957	18661	19365	20069	20773	84757
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6170	.28516	29220	29924	30628	31332	32036	32739	33443	34147	34851	84757
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6172	.42592	43295	43999	44703	45406	46110	46813	47517	48221	48924	84695
6173	.49628	50331	51035	51738	52442	53145	53849	54552	55256	55959	84695
6174	.56663	57366	58069	58773	59476	60180	60883	61586	62290	62993	84695
6175	.63696	64400	65103	65806	66509	67213	67916	68619	69322	70026	84695
6176	.70729	71432	72135	72838	73541	84245	74948	75651	76354	77057	84695
6177	.77760	78463	79166	79869	80572	81275	81978	82681	83384	84087	84695
6178	.84790	85493	86196	86899	87602	88305	89008	89711	90414	91117	84695
6179	.91820	92522	93225	93928	94631	95334	96036	96739	97442	98145	84695
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6181	791.05874	06577	07280	07982	08685	09387	10090	10792	11495	12198	84633
6182	.12900	13603	14305	15007	15710	16413	17115	17817	18520	19222	84633
6183	.19925	20627	21329	22032	22734	23437	24139	24841	25543	26246	84633
6184	.26948	27650	28353	29055	29757	30459	31162	31864	32566	33268	84633
6185	.33970	34672	35375	36077	36779	37481	38183	38885	39587	40290	84633
6186	.40991	41694	42396	43098	43800	44502	45204	45906	46608	47310	84633
6187	.48012	48713	49715	50117	50819	51521	52223	52925	53627	54329	84633
6188	.55031	55732	56434	57136	57838	58540	59241	59943	60645	61347	84633
6189	.62048	62750	63452	64153	64855	65557	66258	66960	67662	68363	84633
6190	.69065	69767	70468	71170	71871	72573	73274	73976	74677	75379	84571
6191	.76080	76782	77483	78185	78886	79588	80289	80991	81692	82393	84571
6192	.83095	83796	84498	85199	85900	86602	87303	88004	88705	89407	84571
6193	.90108	90809	91511	92212	92913	93614	94315	95017	95718	96419	84571
6194	.97120	97821	98522	99224	99925	00626	01327	02028	02729	03430	84571
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6196	.11141	11842	12543	13244	13945	14645	15346	16047	16748	17449	84571
6197	.18150	18850	19551	20252	20953	21654	22354	23055	23756	24456	84571
6198	.25157	25858	26559	27259	27860	28661	29361	30062	30762	31463	84571
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6201	·46173	46873	47574	48274	48975	49675	50375	51075	51776	52476	84509
6202	·53176	53876	54577	55277	55977	56677	57377	58078	58778	59478	84509
6203	·60178	60878	61578	62278	62979	63679	64379	65079	65779	66479	84509
6204	·67179	67879	68579	69279	69979	70679	71379	72079	72779	73479	84509
6205	·74179	74878	75578	76278	76978	77678	78378	79078	79778	80477	84509
6206	·81177	81877	82577	83276	83976	84676	85376	86075	86775	87475	84509
6207	·88175	88874	89574	90274	90973	91673	92372	93072	93772	94471	84509
6208	·95171	95870	96569	97269	97969	98669	99368	00068	00767	01467	84447
6209	793·02146	02865	03565	04264	04964	05663	06363	07062	07761	08461	84447
6210	·09160	09859	10559	11258	11958	12657	13356	14055	14754	15454	84447
6211	·16153	16852	17551	18251	19949	19649	20348	21047	21746	22446	84447
6212	·23145	23844	24543	25242	25941	26640	27339	28038	28737	29436	84447
6213	·30135	30834	31533	32232	32931	33630	34329	35028	35727	36426	84447
6214	·37125	37824	38523	39222	39920	40619	41318	42017	42716	43415	84447
6215	·44113	44812	45511	46209	46908	47608	48306	49005	49703	50402	84447
6216	·51101	51799	52498	53197	53895	54594	55292	55991	56689	57388	84447
6217	·58087	58785	59484	60182	60881	61579	62278	62976	63675	64373	84385
6218	·65072	65770	66469	67167	67865	68564	69262	69961	70659	71357	84385
6219	·72056	72754	73452	74151	74849	75547	76245	76944	77642	78340	84385
6220	·79038	79737	80435	81133	81831	82529	83228	83926	84624	85322	84385
6221	·86020	86718	87416	88114	88812	89511	90209	90907	91605	92303	84385
6222	·93001	93699	94397	95095	95793	96491	97188	97886	98584	99282	84385
6223	·99980	00678	01376	02074	02772	03469	04167	04865	05563	06261	84385
6224	794·06958	07656	08354	09052	09747	10447	11145	11843	12540	13238	84385
6225	·13936	14632	15331	16029	16726	17424	18121	18819	19517	20214	84323
6226	·20912	21609	22307	23004	23702	24399	25097	25749	26492	27189	84323
6227	·27887	28584	29281	29979	30676	31374	32071	32768	33466	34163	84323
6228	·34860	35558	36255	36952	37640	38347	39044	39741	40439	41136	84323
6229	·41833	42530	43227	43925	44622	45319	46016	46713	47410	48108	84323
6230	·48805	49502	50199	50896	51593	52290	52987	53684	54381	55078	84323
6231	·55775	56472	57169	57866	58563	59259	59957	60654	61351	62048	84323
6232	·62744	63441	64138	64835	65532	66229	66926	67622	68319	69016	84323
6233	·69713	70409	71106	71803	72499	73196	73893	74589	75286	75983	84323
6234	·76679	77376	78073	78769	79466	80163	80859	81556	82253	82949	84260
6235	·83646	84342	85039	85735	86432	87128	87825	88521	89218	89914	84260
6236	·90611	91307	92003	92699	93396	94093	94789	95485	96182	96878	84260
6237	·97574	98271	98967	99663	00359	01056	01752	02448	03145	03841	84260
6238	795·04537	05233	05929	06626	07322	08018	08714	09410	10106	10802	84260
6239	·11499	12195	12891	13587	14283	14979	15675	16371	17067	17763	84260
6240	·18459	19155	19851	20547	21243	21939	22635	23331	24026	24722	84260
6241	·25418	26114	26809	27506	28202	28897	29593	30289	30985	31681	84260
6242	·32376	33072	33768	34464	35159	35855	36551	37246	37942	38638	84260
6243	·39333	40029	40725	41420	42116	42812	43507	44203	44898	45594	84198
6244	·46289	46984	47680	48376	49072	49767	50462	51158	51853	52549	84198
6245	·53244	53939	54635	55331	56026	56721	57417	58112	58807	59503	84198
6246	·60198	60893	61589	62284	62979	63674	64369	65065	65760	66455	84198
6247	·67151	67846	68541	69236	69931	70626	71322	72017	72712	73407	84198
6248	·74102	74797	75492	76187	76882	77577	78272	78967	79662	80357	84198
6249	·81052	81747	82442	83137	83832	84527	85222	85917	86612	87306	84198

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6251	·94950	95645	96339	97034	97729	98424	99118	99813	00508	01202	84198
6252	796·01897	02591	03286	03981	04675	05370	06065	06759	07454	08148	84135
6253	·08843	09537	10232	10926	11621	12315	13010	13704	14399	15093	84135
6254	·15788	16482	17176	17871	18565	19260	19954	20648	21343	22037	84135
6255	·22731	23426	24120	24814	25509	26203	26897	27591	28286	28980	84135
6256	·29674	30368	31062	31757	32451	33145	33839	34533	35227	35921	84135
6257	·36616	37310	38004	38698	39392	40086	40780	41474	42168	42862	84135
6258	·43556	44250	44944	45638	46332	47026	47720	48413	49107	49801	84135
6259	·50495	51189	51883	52577	53271	53964	54658	55352	56046	56740	84135
6260	·57433	58127	58821	59515	60208	60902	61596	62289	62983	63677	84135
6261	·64370	65064	65758	66451	67145	67838	68532	69226	69919	70613	84073
6262	·71306	71999	72693	73387	74080	74774	75467	76161	76854	77548	84073
6263	·78241	78935	79628	80321	81015	81708	82402	83095	83788	84482	84073
6264	·85175	85868	86562	87255	87948	88641	89335	90028	90721	91414	84073
6265	·92108	92801	93494	94187	94880	95573	96266	96960	97653	98346	84073
6266	·99039	99732	00425	01118	01811	02504	03197	03890	04583	05276	84073
6267	797·05969	06662	07355	08048	08741	09434	10127	10820	11513	12206	84073
6268	·12899	13582	14285	14977	15670	16363	17056	17749	18441	19134	84073
6269	·19827	20520	21212	21905	22598	23291	23983	24676	25369	26061	84073
6270	·26754	27447	28139	28832	29525	30217	30910	31602	32295	32987	84010
6271	·33680	34373	35065	35758	36450	37143	37835	38528	39220	39913	84010
6272	·40605	41297	41990	42682	43375	44067	44759	45452	46144	46836	84010
6273	·47529	48221	48913	49606	50298	50990	51683	52375	53067	53759	84010
6274	·54451	55144	55836	56528	57220	57912	58605	59297	59989	60681	84010
6275	·61373	62065	62757	63449	64141	64833	65525	66217	66909	67701	84010
6276	·68293	68985	69677	70369	71061	71753	72445	73137	73829	74521	84010
6277	·75213	75905	76597	77288	77980	78672	79364	80056	80748	81439	84010
6278	·82131	82823	83515	84206	84898	85590	86282	86973	87665	88357	84010
6279	·89048	89740	90432	91123	91815	92506	93198	93890	94581	95273	84010
6280	·95964	96656	97347	98039	98730	99422	00113	00805	01496	02188	83947
6281	798·02879	03571	04262	04954	05645	06336	07028	07719	08411	09102	83947
6282	·09793	10485	11176	11867	12558	13250	13941	14632	15324	16015	83947
6283	·16706	17397	18088	18779	19471	20162	20853	21544	22235	22927	83947
6284	·23618	24309	24999	25691	26382	27073	27764	28455	29146	29837	83947
6285	·30528	31219	31910	32601	33292	33983	34674	35365	36056	36747	83947
6286	·37438	38129	38819	39510	40201	40892	41583	42274	42964	43655	83947
6287	·44346	45037	45728	46418	47109	47800	48491	49181	49872	50563	83947
6288	·51253	51944	52635	53325	54016	54707	55397	56088	56778	57469	83947
6289	·58159	58850	59541	60231	60922	61612	62303	62993	63684	64374	83884
6290	·65065	65755	66445	67136	67826	68517	69207	69897	70588	71278	83884
6291	·71969	72659	73349	74040	74730	75420	76110	76801	77491	78181	83884
6292	·78871	79562	80252	80942	81632	82322	83013	83703	84393	85083	83884
6293	·85773	86463	87153	87844	88534	89224	89914	90604	91294	91984	83884
6294	·92674	93364	94054	94744	95434	96124	96814	97504	98194	98884	83884
6295	·99573	00263	00953	01643	02333	03023	03713	04403	05092	05782	83884
6296	799·06472	07162	07852	08541	09231	09921	10611	11300	11990	12679	83884
6297	·13369	14059	14749	15438	16128	16818	17507	18197	18886	19576	83884
6298	·20266	20955	21645	22334	23024	23713	24403	25092	25782	26471	83821
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6301	·40948	41637	42326	43016	43705	44394	45083	45772	46462	47151	83821
6302	·47840	48529	49218	49907	50596	51285	51975	52664	53353	54042	83821
6303	·54731	55420	56109	56798	57487	58176	58865	59554	60243	60932	83821
6304	·61620	62309	62998	63687	64376	65065	65754	66443	67131	67820	83821
6305	·68509	69198	69887	70575	71264	71953	72642	73330	74019	74708	83821
6306	·75397	76085	76774	77463	78151	78840	79529	80217	80906	81595	83821
6307	·82283	82972	83660	84349	85037	85726	86414	87103	87791	88480	83758
6308	·89168	89857	90545	91234	91922	92611	93299	93988	94676	95364	83758
6309	·96053	96741	97429	98118	98806	99494	00183	00871	01559	02248	83758
6310	800·02936	03624	04312	05001	05689	06377	07065	07754	08442	09130	83758
6311	·09818	10506	11194	11882	12571	13259	13947	14635	15323	16011	83758
6312	·16699	17387	18075	18763	19451	20139	20827	21515	22203	22891	83758
6313	·23579	24267	24955	25643	26331	27018	27706	28394	29082	29770	83758
6314	·30458	31146	31833	32521	33209	33897	34585	35272	35960	36648	83758
6315	·37335	38023	38711	39399	40086	40774	41462	42149	42837	43525	83758
6316	·44212	44900	45587	46275	46962	47650	48338	49025	49713	50400	83695
6317	·51088	51775	52463	53150	53838	54525	55213	55900	56587	57275	83695
6318	·57962	58650	59337	60024	60712	61399	62086	62774	63461	64148	83695
6319	·64836	65523	66210	66897	67585	68272	68956	69646	70333	71021	83695
6320	·71708	72395	73082	73769	74456	75144	75831	76518	77205	77892	83695
6321	·78579	79266	79953	80640	81327	82014	82701	83388	84075	84762	83695
6322	·85449	86136	86823	87510	88197	88884	89571	90258	90944	91631	83695
6323	·92318	93005	93692	94379	95065	95752	96439	97126	97813	98499	83695
6324	·99186	99873	00559	01246	01933	02620	03306	03993	04680	05366	83695
6325	801·06053	06740	07426	08113	08799	09486	10173	10859	11546	12232	83632
6326	·12919	13605	14292	14978	15665	16351	17038	17724	18411	19097	83632
6327	·19783	20470	21156	21843	22529	23215	23902	24588	25274	25961	83632
6328	·26647	27333	28020	28706	29392	30078	30765	31451	32137	32823	83632
6329	·33510	34196	34882	35568	36254	36940	37627	38313	38999	39685	83632
6330	·40371	41057	41743	42429	43115	43801	44487	45173	45859	46545	83632
6331	·47231	47917	48603	49289	49975	50661	51347	52033	52719	53405	83632
6332	·54091	54776	55462	56148	56834	57520	58206	58891	59577	60263	83632
6333	·60949	61635	62320	63006	63692	64377	65063	65749	66435	67120	83632
6334	·67806	68492	69177	69863	70548	71234	71920	72605	73291	73976	83569
6335	·74662	75347	76033	76719	77404	78090	78775	79461	80146	80831	83569
6336	·81517	82202	82888	83573	84259	84944	85629	86315	87000	87685	83569
6337	·88371	89056	89741	90427	91112	91797	92483	93168	93853	94538	83569
6338	·95223	95909	96594	97279	97964	98649	99335	00020	00705	01390	83569
6339	802·02075	02760	03445	04130	04816	05501	06186	06871	07555	08241	83569
0340	·08926	09611	10296	10981	11666	12351	13036	13721	14406	15090	83569
6341	·15775	16460	17145	17830	18515	19200	19885	20569	21254	21939	83569
6342	·22624	23309	23993	24678	25363	26048	26732	27417	28102	28786	83569
6343	·29471	30156	30840	31525	32210	32895	33579	34264	34948	35633	83569
6344	·36317	37002	37686	38371	39056	39740	40425	41109	41794	42478	83505
6345	·43163	43847	44532	45216	45900	46585	47269	47954	48638	49322	83505
6346	·50007	50691	51375	52060	52744	53428	54113	54797	55481	56166	83505
6347	·56850	57534	58218	58903	59587	60271	60955	61639	62324	63008	83505
6348	·63692	64376	65060	65744	66428	67112	67796	68481	69165	69849	83505
6349	·70533	71217	71901	72585	73269	73953	74637	75321	76005	76689	83505

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D. 1
6350	802.77373	78056	78740	79424	80108	80792	81476	82160	82844	83527	83505
6351	.84211	84895	85579	86263	86946	87630	88314	88998	89681	90365	83505
6352	.91049	91733	92416	93100	93784	94467	95151	95835	96518	97202	83505
6353	.97886	98569	99253	99936	00620	01303	01987	02671	03354	04038	83442
6354	803.04721	05404	06088	06771	07455	08138	08822	09505	10185	10872	83442
6355	.11555	12239	12922	13606	14289	14972	15656	16339	17022	17706	83442
6356	.18389	19072	19755	20439	21122	21805	22488	23172	23855	24538	83442
6357	.25221	25904	26587	27271	27954	28637	29320	30003	30686	31369	83442
6358	.32052	32735	33418	34102	34785	35468	36151	36834	37517	38200	83442
6359	.38883	39565	40248	40931	41614	42297	42980	43663	44346	45029	83442
6360	.45712	46394	47077	47760	48443	49126	49808	50491	51174	51857	83442
6361	.52539	53222	53905	54588	55270	55953	56636	57319	58001	58684	83442
6362	.59366	60049	60732	61414	62097	62780	63462	64145	64827	65510	83378
6363	.66192	66875	67557	68240	68922	69605	70287	70970	71652	72335	83378
6364	.73017	73700	74382	75064	75747	76429	77111	77794	78476	79158	83378
6365	.79841	80523	81205	81888	82570	83252	83935	84617	85299	85981	83378
6366	.86663	87346	88028	88710	89392	90074	90756	91439	92121	92803	83378
6367	.93485	94167	94849	95531	96213	96895	97577	98259	98941	99623	83378
6368	804.00305	00987	01669	02351	03033	03715	04397	05079	05961	06643	83378
6369	.07125	07807	08489	09171	09852	10534	11216	11898	12580	13261	83378
6370	.13943	14625	15307	15989	16670	17352	18034	18715	19397	20079	83378
6371	.20761	21442	22124	22805	23487	24169	24850	25532	26214	26895	83378
6372	.27577	28258	28940	29621	30303	30984	31666	32347	33029	33710	83314
6373	.34392	35073	35755	36436	37118	37799	38480	39162	39843	40525	83314
6374	.41206	41887	42569	43250	43931	44613	45294	45974	46656	47338	83314
6375	.48019	48700	49381	50063	50744	51425	52106	52787	53469	54150	83314
6376	.54831	55512	56193	56874	57555	58236	58917	59599	60280	60961	83314
6377	.61642	62323	63004	63685	64366	65047	65728	66409	67090	67771	83314
6378	.68451	69132	69813	70494	71175	71856	72537	73218	73899	74579	83314
6379	.75260	75941	76622	77303	77983	78664	79345	80026	80706	81387	83314
6380	.82068	82749	83429	84109	84791	85471	86152	86833	87513	88194	83314
6381	.88874	89555	90236	90916	91597	92277	92958	93638	94319	94999	83250
6382	.95680	96360	97041	97721	98402	99082	99763	00443	01124	01804	83250
6383	805.02484	03165	03845	04526	05206	05886	06567	07247	07927	08608	83250
6384	.09288	09968	10648	11329	12009	12689	13369	14050	14730	15410	83250
6385	.16090	16770	17451	18131	18811	19491	20172	20851	21531	22211	83250
6386	.22891	23571	24252	24932	25612	26292	26972	27652	28332	29012	83250
6387	.29692	30372	31052	31731	32411	33091	33771	34451	35131	35811	83250
6388	.36491	37171	37850	38530	39210	39890	40570	41250	41929	42609	83250
6389	.43289	43969	44648	45328	46008	46687	47367	48047	48727	49406	83250
6390	.50086	50765	51445	52125	52804	53484	54164	54843	55523	56202	83186
6391	.56882	57561	58241	58920	59600	60279	60959	61638	62318	62997	83186
6392	.63677	64356	65035	65715	66394	67074	67753	68432	69112	69791	83186
6393	.70470	71150	71829	72508	73188	73867	74546	75225	75905	76584	83186
6394	.77263	77942	78622	79301	79980	80659	81338	82017	82697	83376	83186
6395	.84055	84734	85413	86092	86771	87450	88129	88808	89487	90166	83186
6396	.90846	91524	92204	92882	93161	94240	94919	95598	96277	96956	83186
6397	.97635	98314	98993	99672	00351	01029	01708	02387	03660	03745	83186
6398	806.04424	05102	05781	06460	07139	07817	08496	09175	09854	10532	83186
6399	.11211	11890	12568	13247	13926	14604	15283	15962	16640	17319	83186

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6400	806.17997	18676	19355	20033	20712	21390	22069	22747	23426	24104	83132
6401	.24783	25461	26139	26818	27497	28175	28853	29532	30210	30889	83132
6402	.31567	32245	32924	33602	34280	34959	35637	36315	36994	37672	83132
6403	.38350	39028	39707	40385	41063	41741	42419	43098	43776	44454	83132
6404	.45132	45810	46489	47167	47845	48523	49201	49879	50557	51235	83132
6405	.51913	52591	53269	53948	54626	55304	55982	56659	57338	58015	83132
6406	.58693	59371	60049	60727	61405	62083	62761	63439	64117	64795	83132
6407	.65472	66150	66828	67506	68184	68861	69539	70217	70895	71573	83132
6408	.72250	72928	73606	74283	74961	75639	76317	76994	77672	78349	83132
6409	.79027	79705	80382	81060	81738	82415	83093	83770	84448	85125	83058
6410	.85803	86480	87158	87835	88513	89190	89868	90545	91223	91900	83058
6411	.92578	93255	93933	94609	95287	95965	96642	97319	97997	98675	83058
6412	.99351	00029	00706	01383	02061	02738	03415	04092	04769	05447	83058
6413	807.06124	06801	07478	08156	08833	09509	10187	10864	11541	12218	83058
6414	.12896	13573	14249	14927	15604	16281	16958	17635	18312	18989	83058
6415	.19666	20343	21020	21697	22374	23051	23728	24405	25082	25759	83058
6416	.26436	27112	27789	28466	29143	29819	30497	31174	31850	32527	83058
6417	.33204	33881	34557	35234	35911	36588	37264	37941	38618	39295	83058
6418	.39971	40648	41325	41001	42678	43355	44031	44708	45384	46061	83058
6419	.46738	47414	48091	48767	49444	50120	50797	51473	52149	52826	82994
6420	.53503	54179	54856	55532	56209	56885	57561	58238	58914	59591	82994
6421	.60267	60943	61619	62296	62972	63649	64325	65001	65678	66354	82994
6422	.67030	67706	68383	69059	69735	70411	71088	71764	72439	73116	82994
6423	.73792	74468	75144	75821	76497	77173	77849	78525	79201	79877	82994
6424	.80553	81229	81905	82581	83257	83933	84609	85285	85961	86637	82994
6425	.87313	87989	88665	89341	90017	90693	91369	92045	92720	93396	82994
6426	.94072	94748	95424	96099	96775	97451	98127	98803	99479	00154	82994
6427	808.00829	01506	02181	02857	03533	04209	04884	05559	06236	06911	82994
6428	.07587	08262	08938	09614	10289	10965	11640	12316	12992	13667	82930
6429	.14343	15018	15694	16369	17045	17720	18396	19071	19746	20422	82930
6430	.21097	21773	22448	23124	23799	24474	25149	25825	26500	27176	82930
6431	.27831	28526	29202	29877	30552	31227	31903	32578	33253	33928	82930
6432	.34604	35279	35954	36629	37304	37979	38655	39329	40005	40680	82930
6433	.41355	42030	42705	43380	44055	44731	45406	46081	46756	47431	82930
6434	.48106	48781	49456	50131	50806	51481	52155	52830	53505	54180	82930
6435	.54855	55530	56205	56879	57555	58229	58904	59579	60254	60929	82930
6436	.61604	62278	62953	63628	64303	64977	65652	66327	67002	67676	82930
6437	.68351	69026	69700	70375	71049	71724	72399	73073	73748	74423	82930
6438	.75097	75772	76446	77121	77795	78470	79145	79819	80494	81168	82865
6439	.81843	82517	83191	83866	84540	85215	85889	86564	87238	87913	82865
0440	.88587	89261	89935	90609	91284	91958	92633	93307	93981	94656	82865
6441	.95329	96004	96678	97353	98027	98701	99375	00049	00724	01398	32865
6442	809.02072	02746	03420	04094	04769	05403	06117	06791	07465	08139	82865
6443	.08813	09487	10161	10835	11509	12183	12857	13531	14205	14879	82865
6444	.15553	16227	16901	17575	18249	19923	19597	20271	20944	21618	82865
0445	.22292	22966	23639	24314	24987	25661	26335	27009	27683	28356	82865
6446	.29030	29704	30378	31051	31725	32399	33072	33746	34419	35093	82865
6447	.35767	36441	37114	37788	38461	39135	39809	40482	41156	41829	82801
6448	.42503	43176	43849	44523	45197	45870	46544	47217	47891	48564	82801
6449	.49238	49911	50585	51258	51931	52605	53278	53951	54625	55298	82801

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D 2
6450	809.55971	56645	57318	57991	58665	59338	60011	60684	61358	62031	82801
6451	.62704	62377	64051	64724	65397	66070	66743	67416	68089	68763	82801
6452	.69436	70109	70782	71455	72128	72801	73474	74147	74820	75493	82801
6453	.76167	76839	77513	78185	78858	79531	80204	80877	81550	82223	82801
6454	.82896	83569	84242	84915	85588	86261	86933	87606	88279	88952	82801
6455	.89625	90297	90970	91643	92315	92989	93661	94334	95007	95679	82801
6456	.96352	97025	97698	98370	99043	99716	00388	01061	01733	02406	82801
6457	810.03079	03751	04424	05096	05769	06441	07114	07787	08459	09132	82736
6458	.09804	10477	11149	11821	12494	13166	13839	14511	15184	15856	82736
6459	.16528	17201	17873	18546	19218	19890	20563	21235	21907	22579	82736
6460	.23252	23924	24596	25269	25941	26613	27285	27958	28629	29302	82736
6461	.29974	30646	31318	31991	32663	33335	34007	34679	35351	36023	82736
6462	.36695	37367	38039	38712	39384	40056	40728	41399	42072	42744	82736
6463	.43416	44088	44759	45431	46103	46775	47447	48119	48791	49463	82736
6464	.50135	50807	51478	52150	52822	53494	54166	54838	55509	56181	82736
6465	.56853	57525	58196	58868	59539	60212	60883	61555	62227	62898	82736
6466	.63570	64242	64913	65585	66257	66928	67599	68271	68943	69615	82736
6467	.70286	70958	71629	72301	72972	73644	74315	74987	75658	76329	82672
6468	.77001	77673	78344	79015	79687	80358	81029	81701	82372	83044	82672
6469	.83715	84386	85058	85729	86400	87072	87743	88414	89086	89757	82672
6470	.90428	91099	91771	92442	93113	93784	94455	95127	95798	96469	82672
6471	.97139	97811	98482	99153	99824	00496	01167	01838	02509	03179	82672
6472	811.03851	04522	05193	05864	06535	07206	07877	08548	09219	09889	82672
6473	.10561	11232	11903	12573	13244	13915	14586	15257	15928	16599	82672
6474	.17269	17940	18611	19282	19953	20624	21294	21965	22636	23307	82672
6475	.23977	24648	25319	25989	26660	27331	28001	28672	29343	30013	82672
6476	.30684	31355	32025	32696	33366	34037	34708	35378	36049	36719	82607
6477	.37389	38060	38731	39401	40072	40742	41413	42083	42754	43424	82607
6478	.44094	44765	45435	46106	46776	47446	48117	48787	49457	50128	82607
6479	.50798	51468	52139	52809	53479	54149	54819	55489	56160	56830	82607
6480	.57501	58171	58840	59511	60181	60852	61522	62192	62862	63532	82607
6481	.64202	64872	65542	66212	66882	67553	68223	68893	69563	70233	82607
6482	.70903	71573	72243	72913	73583	74253	74922	75592	76262	76932	82607
6483	.77602	78272	78942	79612	80282	80952	81621	82291	82961	83631	82607
6484	.84301	84970	85640	86309	86979	87649	88319	88989	89659	90328	82607
6485	.90998	91668	92337	93007	93677	94346	95016	95686	96355	97025	82607
6486	.97694	98364	99034	99703	00373	01042	01712	02381	03051	03720	82542
6487	812.04389	05059	05729	06398	07068	07737	08407	09076	09745	10415	82542
6488	.11084	11754	12423	13092	13762	14431	15100	15769	16439	17108	82542
6489	.17777	18447	19116	19785	20454	21124	21793	22462	23131	23801	82542
6490	.24469	25139	25808	26477	27146	27815	28485	29154	29823	30492	82542
6491	.31161	31829	32499	35168	33837	34506	35175	35844	36513	37182	82542
6492	.37851	38520	39189	39858	40527	41196	41865	42534	43203	43871	82542
6493	.44540	45209	45878	46547	47216	47884	48553	49222	49891	50559	82542
6494	.51228	51897	52566	53235	53903	54572	55241	55909	56578	57247	82542
6495	.57916	58584	59253	59621	60590	61259	61927	62596	63264	63933	82477
6496	.64602	65270	65939	66607	67276	67944	68613	69281	69949	70618	82477
6497	.71287	71955	72624	73292	73960	74629	75297	75966	76634	77302	82477
6498	.77971	78639	79307	79976	80644	81312	81981	82649	83317	83985	82477
6499	.84654	85322	85990	86658	87327	87995	88663	89331	89999	90668	82477

Chiliades centum Logarithmorum.

Num	0	1	2	3	4	5	6	7	8	9	Lo.D. 2
6500	812.91336	92004	92672	93340	94008	94676	95344	96012	96681	97349	82477
6501	.98017	98685	99353	00021	00689	01357	02025	02693	03361	04029	82477
6502	813.04697	05364	06032	06700	07368	08036	08704	09372	10040	10708	82477
6503	.11375	12043	12711	13379	14047	14714	15382	16050	16718	17386	82477
6504	.18053	18721	19389	20056	20724	21392	22059	22727	23395	24062	82477
6505	.24730	25398	26065	26733	27401	28068	28736	29403	30071	30738	82412
6506	.31406	32073	32741	33408	34076	34743	35411	36078	36746	37413	82412
6507	.38081	38748	39416	40083	40750	41418	42085	42752	43420	44087	82412
6508	.44754	45422	46089	46756	47424	48091	48758	49425	50093	50760	82412
6509	.51427	52094	52762	53429	54096	54763	55430	55097	56765	57432	82412
6510	.58099	58766	59433	60100	60767	61434	62101	62768	63435	64103	82412
6511	.64770	65437	66104	66771	67438	68104	68771	69438	70105	70772	82412
6512	.71439	72106	72773	73440	74107	74774	75440	76107	76774	77441	82412
6513	.78108	78775	79441	80108	80775	81442	82109	82775	83442	84109	82412
6514	.84775	85442	86109	86776	87442	88109	88775	89442	90109	90775	82412
6515	.91442	92109	92775	93442	94108	94775	95441	96108	96775	97441	82347
6516	.98109	98774	99441	00107	00774	01440	02106	02773	03439	04106	82347
6517	814.04772	05439	06105	06771	07438	08104	08770	09437	10103	10769	82347
6518	.11436	12102	12768	13434	14101	14767	15433	16099	16766	17432	82347
6519	.18098	18764	19430	20097	20763	21429	22095	22761	23427	24093	82347
6520	.24760	25426	26092	26758	27424	28090	28756	29422	30088	30754	82347
6521	.31420	32086	32752	33418	34084	34750	35416	35082	36748	37414	82347
6522	.38079	38745	39411	40077	40743	41409	42075	42740	43406	44072	82347
6523	.44738	45404	46069	46735	47401	48067	48732	49398	50064	50730	82347
6524	.51395	52061	52727	53392	54058	54724	55389	56055	56720	57386	82347
6525	.58052	58717	59383	60048	60714	61379	62045	62710	63376	64041	82282
6526	.64707	65372	66038	66703	67369	68034	68700	69365	70030	70696	82282
6527	.71361	72027	72692	73357	74023	74688	75353	76019	76684	77349	82282
6528	.78014	78680	79345	80010	80676	81341	82006	82671	83336	84002	82282
6529	.84667	85332	85997	86662	87327	87993	88658	89323	89988	90653	82282
6530	.91318	91983	92648	93313	93978	94643	95308	95973	96638	97303	82282
6531	.97968	98633	99298	99963	00628	01293	01958	02623	03288	03953	82282
6532	815.04618	05282	05947	06612	07277	07942	08607	09271	09936	10601	82282
6533	.11266	11931	12595	13260	13925	14590	15254	15919	16584	17248	82282
6534	.17913	18578	19242	19907	20572	21236	21901	22565	23230	23895	82282
6535	.24559	25224	25888	26553	27217	27882	28546	29211	29875	30540	82216
6536	.31204	31869	32533	33198	33862	34527	35191	35855	36520	37184	82216
6537	.37849	38513	39177	39842	40506	41170	41835	42499	43163	43827	82216
6538	.44492	45156	45820	46484	47149	47813	48477	49141	49805	50470	82216
6539	.51134	51798	52462	53126	53790	54454	55119	55783	56447	57111	82216
6540	.57775	58439	59103	59767	60431	61095	61759	62423	63087	63751	82216
6541	.64415	65079	65743	66407	67071	67735	68398	69062	69726	70390	82216
6542	.71054	71718	72382	73046	73709	74373	75037	75701	76365	77028	82216
6543	.77692	78356	79020	79683	80347	81011	81674	82338	83002	83665	82216
6544	.84329	84993	85656	86320	86984	87647	88311	88974	89638	90302	82216
6545	.90965	91629	92292	92956	93619	94283	94946	95610	96273	96937	82151
6546	.97600	98264	98927	99590	00254	00917	01581	02244	02907	03571	82151
6547	816.04234	04897	05561	06224	06887	07551	08214	08877	09541	10204	82151
6548	.10867	11530	12194	12857	13520	14183	14846	15510	16173	16836	82151
6549	.17499	18162	18825	19488	20152	20815	21478	22141	22804	23467	82151

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6551	.30760	31423	32086	32749	33412	34075	34737	35400	36063	36726	82151
6552	.37389	38052	38715	39377	40040	40703	41366	42029	42691	43354	82151
6553	.44017	44679	45342	46005	46668	47330	47993	48756	49318	49981	82151
6554	.50644	51305	51969	52632	53294	53957	54619	55282	55945	56607	82085
6555	.57270	57932	58595	59257	59920	60582	61245	61907	62570	63232	82085
6556	.63894	64557	65219	65882	66544	67207	67869	68531	69194	69856	82085
6557	.70518	71181	71843	72505	73168	73830	74492	75154	75817	76479	82085
6558	.77141	77803	78466	79128	79790	80452	81114	81777	82439	83101	82085
6559	.83763	84425	85087	85749	86412	87074	87736	88398	89060	89722	82085
6560	.90384	91046	91708	92370	93032	93694	94356	95018	95680	96342	82085
6561	.97004	97666	98328	98990	99651	00313	00975	01637	02299	02961	82085
6562	817.03623	04284	04946	05608	06270	06932	07593	08255	08917	09579	82085
6563	.10240	10902	11564	12226	12887	13549	14211	14872	15534	16196	82085
6564	.16857	17519	18180	18842	19504	20165	20827	21488	22150	22812	82020
6565	.23473	24135	24796	25458	26119	26781	27442	28103	28765	29426	82020
6566	.30088	30749	31411	32072	32733	33395	34056	34718	35379	36040	82020
6567	.36702	37363	38024	38686	39347	40008	40669	41331	41992	42654	82020
6568	.43314	43976	44637	45298	45959	46620	47282	47943	48604	49265	82020
6569	.49926	50587	51248	51910	52571	53232	53893	54554	55215	55876	82020
6570	.56537	57198	57859	58520	59181	59842	60503	61164	61825	62486	82020
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6575	.89576	90236	90897	91557	92218	92878	93539	94199	94850	95520	81954
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6578	.09387	10047	10707	11368	12028	12688	13348	14008	14668	15329	81954
6579	.15989	16649	17309	17969	18629	19289	19949	20609	21269	21929	81954
6580	.22589	23249	23909	24569	25229	25889	26549	27209	27869	28529	81954
6581	.29189	29849	30509	31169	31829	32489	33148	33808	34468	35128	81954
6582	.35788	36448	37107	37767	38427	39087	39747	40406	41066	41726	81954
6583	.42386	43045	43705	44365	45024	45684	46344	47003	47663	48323	81954
6584	.48982	49642	50301	50961	51621	52280	52940	53599	54259	54918	81888
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6586	.62173	62832	63491	64151	64810	65470	66129	66788	67448	68107	81888
6587	.68766	69426	70085	70744	71404	72063	72722	73381	74041	74700	81888
6588	.75359	76018	76677	77337	77996	78655	79314	79973	80632	81292	81888
6589	.81951	82610	83269	83928	84587	85246	85905	86564	87223	87882	81888
6590	.88541	89200	89859	90518	91177	91836	92495	93154	93813	94472	81888
6591	.95131	95790	96449	97108	97767	98426	99085	99743	00402	01061	81888
6592	819.01720	02379	03037	03696	04355	05014	05673	06331	06990	07649	81838
6593	.08308	08966	09625	10284	10942	11601	12260	12918	13577	14236	81888
6594	.14894	15553	16212	16870	17529	18187	18846	19504	20163	20821	81822
6595	.21480	22139	22797	23456	24114	24772	25431	26089	26748	27406	81822
6596	.28065	28723	29382	30040	30698	31357	32015	32673	33332	33990	81822
6597	.34648	35307	35965	36623	37282	37940	38598	39256	39915	40573	81822
6598	.41231	41889	42548	43206	43864	44522	45180	45838	46497	47155	81822
6599	.47813	48471	49129	49787	50445	51103	51761	52419	53077	53736	81822

Chiliades centum Logarithmorum.

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6601	.60973	61631	62289	62947	63605	64263	64921	65578	66236	66894	81822
6602	.67552	68210	68868	69525	70183	70841	71499	72157	72814	73472	81822
6603	.74130	74787	75445	76103	76761	77418	78076	78734	79391	80049	81822
6604	.80706	81364	82022	82679	83337	83994	84652	85310	85967	86625	81756
6605	.87282	87940	88597	89255	89912	90570	91227	91885	92542	93200	81756
6606	.93857	94514	95172	95829	96487	97144	97801	98459	99116	99773	81756
6607	820.00431	01088	01745	02403	03060	03717	04374	05032	05689	06346	81756
6608	.07003	07661	08318	08975	09632	10289	10947	11604	12261	12918	81756
6609	.13575	14232	14889	15547	16204	16861	17518	18175	18832	19489	81756
6610	.20146	20803	21460	22117	22774	23431	24088	24745	25402	26059	81756
6611	.26716	27373	28030	28686	29343	30000	30657	31314	31971	32628	81756
6612	.33284	33941	34598	35255	35912	36569	37225	37882	38539	39196	81756
6613	.39852	40509	41166	41822	42479	43136	43792	44449	45106	45762	81756
6614	.46419	47076	47732	48389	49045	49702	50359	51015	51672	52328	81690
6615	.52985	53641	54298	54954	55611	56267	56924	57580	58237	58893	81690
6616	.59550	60206	60863	61519	62175	62832	63488	64144	64801	65457	81690
6617	.66113	66770	67426	68082	68739	69395	70051	70708	71364	72020	81690
6618	.72676	73333	73989	74645	75301	75957	76614	77270	77926	78582	81690
6619	.79238	79894	80550	81206	81863	82519	83175	83831	84487	85143	81690
6620	.85799	86455	87111	87767	88423	89079	89735	90391	91047	91703	81690
6621	.92359	93015	93671	94327	94982	95638	96294	96950	97606	98262	81690
6622	.98918	99573	00229	00885	01541	02197	02852	03508	04164	04820	81690
6623	821.05476	06131	06787	07443	08098	08754	09410	10065	10721	11376	81690
6624	.12032	12688	13344	13999	14655	15310	15966	16622	17277	17933	81624
6625	.18588	19244	19899	20555	21210	21866	22521	23177	23832	24488	81624
6626	.25143	25799	26454	27109	27765	28420	29076	29731	30386	31042	81624
6627	.31697	32352	33008	33663	34318	34974	35629	36285	36939	37595	81624
6628	.38250	38905	39560	40216	40871	41526	42181	42836	43492	44147	81624
6629	.44802	45457	46112	46767	47422	48077	48733	49388	50043	50698	81624
6630	.51353	52008	52663	53318	53973	54628	55283	55938	56593	57248	81624
6631	.57903	58558	59213	59868	60522	61177	61832	62487	63142	63797	81624
6632	.64452	65107	65761	66416	67071	67726	68381	69035	69690	70345	81624
6633	.71000	71654	72309	72964	73619	74273	74928	75583	76237	76892	81624
6634	.77547	78201	78856	79511	80165	80820	81474	82129	82784	83438	81557
6635	.84093	84747	85402	86056	86711	87365	88020	88674	89329	89983	81557
6636	.90638	91292	91947	92601	93255	93910	94564	95219	95873	96527	81557
6637	.97182	97836	98490	99145	99799	00453	01108	01762	02416	03071	81557
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6639	.10267	10921	11575	12229	12883	13538	14192	14846	15500	16154	81557
6640	.16808	17462	18116	18770	19424	20078	20732	21386	22040	22694	81557
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6642	.29887	30541	31195	31849	32502	33156	33810	34464	35118	35771	81557
6643	.36425	37079	37733	38386	39040	39694	40348	41001	41655	42309	81557
6644	.42962	43616	44270	44923	45577	46231	46884	47538	48191	48845	81557
6645	.49499	50152	50806	51459	52113	52766	53420	54073	54727	55380	81491
6646	.56034	56687	57341	57994	58647	59301	59954	60608	61261	61915	81491
6647	.62568	63221	63875	64528	65181	65835	66488	67141	67795	68448	81491
6648	.69101	69754	70408	71061	71714	72367	73021	73674	74327	74980	81491
6649	.75633	76286	76940	77593	78246	78899	79552	80205	80858	81511	81491

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6651	.88695	89347	90001	90654	91307	91959	92612	93265	93918	94571	81491
6652	.95224	95877	96529	97183	97835	98488	99141	99794	00447	01099	81491
6653	823.01752	02405	03058	03711	04363	05016	05669	06322	06974	07627	81491
6654	.08279	08932	09585	10238	10890	11543	12196	12848	13501	14153	81491
6655	.14806	15459	16111	16764	17416	18069	18721	19374	20026	20679	81424
6656	.21331	21984	22636	23289	23941	24594	25246	25898	26551	27203	81424
6657	.27856	28508	29160	29813	30465	31118	31769	32422	33074	33727	81424
6658	.34379	35031	35684	36336	36988	37640	38293	38945	39597	40249	81424
6659	.40901	41554	42206	42858	43510	44162	44814	45467	46119	46771	81424
6660	.47423	48075	48727	49379	50031	50683	51335	52987	52639	53291	81424
6661	.53943	54595	55247	55899	56551	57203	57855	58507	59159	59811	81424
6662	.60463	61115	61767	62418	63070	63722	64374	65026	65678	66329	81424
6663	.66981	67633	68285	68937	69588	70240	70892	71544	72195	72847	81424
6664	.73499	74151	74802	75454	76106	76757	77409	78061	78712	79364	81424
6665	.80015	80667	81319	81970	82622	83273	83925	84576	85228	85879	81358
6666	.86531	87182	87834	88485	89137	89788	90439	91091	91743	92394	81358
6667	.93046	93697	94348	94999	95651	96302	96954	97605	98256	98908	81358
6668	.99559	00210	00862	01513	02164	02816	03467	04118	04769	05421	81358
6669	824.06072	06723	07374	08025	08677	09328	09979	10630	11281	11932	81358
6670	.12583	13235	13886	14537	15188	15839	16489	17141	17792	18443	81358
6671	.19094	19745	20396	21047	21698	22349	23000	23651	24302	24953	81358
6672	.25604	26254	26906	27556	28207	28858	29509	30159	30811	31462	81358
6673	.32112	32763	33414	34065	34716	35366	36017	36668	37319	37969	81358
6674	.38620	39271	39922	40572	41223	41874	42524	43175	43826	44476	81358
6675	.45127	45778	46428	47079	47729	48380	49031	49681	50332	51982	81291
6676	.51633	52283	52934	53584	54235	54885	55536	56186	56837	57487	81291
6677	.58138	58788	59438	60089	60739	61389	62040	62690	63341	63991	81291
6678	.64641	65292	65942	66592	67243	67893	68543	69194	69844	70494	81291
6679	.71144	71795	72445	73095	73745	74395	75046	75696	76346	76996	81291
6680	.77646	78296	78947	79597	80247	80897	81547	82197	82847	83497	81291
6681	.84147	85797	85447	86097	86747	87397	88047	88697	89347	89997	81291
6682	.90647	91297	91947	92597	93247	93897	94547	95197	95846	96496	81291
6683	.97146	97796	98446	99096	99745	00395	01045	01695	02345	02994	81291
6684	825.03644	04294	04944	05593	06243	06893	07543	08192	08842	09492	81291
6685	.10141	10792	11441	12090	12739	13389	14039	14689	15338	15988	81224
6686	.16637	17287	17936	18586	19235	19885	20534	21184	21833	22483	81224
6687	.23132	23782	24431	25081	25730	26379	27029	27678	28328	28977	81224
6688	.29626	30276	30925	31574	32224	32873	33522	34172	34821	35470	81224
6689	.36119	36769	37418	38067	38717	39366	40015	40664	41313	41963	81224
6690	.42612	43261	43910	44559	45208	45858	46507	47156	47805	48454	81224
6691	.49103	49752	50401	51050	51699	52348	52997	53646	54295	54944	81224
6692	.55593	56242	56891	57540	58189	58838	59487	60136	60785	61434	81224
6693	.62083	62731	63380	64029	64678	65327	65976	66624	67273	67922	81224
6694	.68571	69219	69868	70517	71166	71815	72463	73112	73761	74409	81224
6695	.75058	75707	76355	77004	77653	78301	78950	79599	80248	80895	81224
6696	.81545	82193	82842	83490	84139	84787	85436	86084	86733	87381	81157
6697	.88029	88678	89327	89975	90624	91272	91921	92569	93218	93866	81157
6698	.94514	95163	95811	96459	97108	97756	98405	00053	99701	99349	81157
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6702	.20442	21090	21738	22386	23034	23682	24330	24978	25626	26274	81157
6703	.26922	27570	28218	28866	29514	30161	30809	31457	32105	32753	81157
6704	.33401	34048	34696	35344	35992	36640	37287	37935	38583	39231	81157
6705	.39878	40526	41174	41821	42469	43117	43764	44412	45060	45707	81157
6706	.46355	47003	47650	48298	48945	49593	50240	50888	51536	52183	81090
6707	.52831	53478	54126	54773	55421	56068	56716	57363	58011	58658	81090
6708	.59305	59953	60600	61248	61895	62542	63190	63837	64485	65132	81090
6709	.65779	66427	67074	67721	68368	69016	69663	70310	70958	71605	81090
6710	.72252	72899	73546	74194	74841	75488	76135	76782	77430	78077	81090
6711	.78724	79371	80018	80665	81312	81959	82607	83254	83901	84548	81090
6712	.85195	85842	86489	87136	87783	88430	89077	89724	90371	91018	81090
6713	.91665	92312	92959	93606	94252	94899	95546	96193	96840	97487	81090
6714	.98134	98781	99427	00074	00721	01368	02015	02661	03308	03955	81090
6715	827.04602	05248	05895	06542	07189	07835	08482	09129	09775	10422	81090
6716	.11069	11715	12362	13009	13655	14302	14949	15595	16242	16888	81090
6717	.17535	18181	18828	19474	20121	20767	21414	22060	22707	23353	81023
6718	.23999	24646	25293	25939	26586	27232	27879	28525	29171	29818	81023
6719	.30464	31110	31757	32403	33050	33696	34342	34988	35635	36281	81023
6720	.36927	37574	38220	38866	39512	40159	40805	41451	42097	42743	81023
6721	.43390	44036	44682	45328	45974	46620	47266	47913	48559	49205	81023
6722	.49851	50497	51143	51789	52435	53081	53727	54373	55019	55665	81023
6723	.56311	56957	57603	58249	58895	59541	60187	60833	61479	62125	81023
6724	.62770	63416	64062	64708	65354	66000	66646	67291	67937	68583	81023
6725	.69229	69875	70520	71166	71812	72458	73103	73749	74395	75041	81023
6726	.75685	76332	76978	77623	78269	78915	79560	80206	80852	81497	81023
6727	.82143	82788	83434	84080	84725	85371	86016	86662	87307	87953	80955
6728	.88598	89244	89889	90535	91180	91826	92471	93117	93762	94407	80955
6729	.95053	95698	96344	96989	97634	98280	98925	99570	00216	00861	80955
6730	828.01506	02152	02797	03442	04088	04733	05378	06023	06669	07314	80955
6731	.07959	08604	09249	09895	10540	11185	11830	12475	13120	13765	80955
6732	.14411	15055	15701	16346	16991	17636	18281	18926	19571	20216	80955
6733	.20861	21506	22151	22796	23441	24086	24731	25376	26022	26666	80955
6734	.27311	27956	28601	29246	29891	30536	31181	31825	32470	33115	80955
6735	.33760	34405	35050	35694	36339	36984	37629	38274	38918	39563	80955
6736	.40208	40853	41497	42142	42787	43431	44076	44721	45365	46010	80955
6737	.46655	47299	47944	48589	49233	49878	50522	51167	51812	52456	80888
6738	.53101	53745	54390	55034	55679	56323	56968	57612	58257	58901	80888
6739	.59546	60190	60835	61479	62123	62768	63412	64057	64701	65345	80888
6740	.65990	66634	67278	67923	68567	69211	69856	70500	71144	71788	80888
6741	.72433	73077	73721	74365	75010	75654	76298	76942	77586	78231	80888
6742	.78875	79519	80163	80807	81451	82096	82740	83384	84028	84672	80888
6743	.85316	85960	86604	87248	87892	88536	89180	89824	90468	91112	80888
6744	.91756	92400	93044	93688	94332	94976	95620	96264	96908	97552	80888
6745	.98195	98839	99483	00127	00771	01415	02058	02702	03346	03990	80888
6746	829.04634	05277	05921	06565	07209	07852	08496	09140	09784	10427	80888
6747	.11071	11715	12358	13002	13646	14289	14933	15577	16220	16864	80888
6748	.17507	18151	18795	19438	20082	20725	21369	22012	22656	23299	80821
6749	.23943	24586	25230	25873	26517	27160	27804	28447	29090	29734	80821

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6751	.36811	37454	38097	38741	39384	40027	40670	41314	41957	42600	80821
6752	.43243	43887	44530	45173	45816	46459	47102	47746	48389	49032	80821
6753	.49675	50318	50961	51604	52247	52890	53533	54177	54820	55463	80821
6754	.56106	56749	57392	58035	58678	59321	59964	60607	61249	61892	80821
6755	.62535	63178	63821	64464	65107	65750	66393	67036	67678	68321	80821
6756	.68964	69607	70250	70893	71535	72178	72821	73464	74106	74749	80821
6757	.75392	76035	76677	77320	77963	78605	79248	79891	80533	81176	80821
6758	.81819	82461	83104	83747	84389	85032	85674	86317	86960	87602	80753
6759	.88245	88887	89530	90172	90815	91457	92100	92742	93385	94027	80753
6760	.94669	95312	95954	96597	97239	97882	98524	99166	99809	00451	80753
6761	830.01093	01736	02378	03021	03663	04305	04948	05590	06232	06874	80753
6762	.07517	08159	08801	09443	10086	10728	11370	12012	12654	13297	80753
6763	.13939	14581	15223	15865	16507	17149	17792	18434	19076	19718	80753
6764	.20360	21002	21644	22286	22928	23570	24212	24854	25496	26138	80753
6765	.26780	27422	28064	28706	29348	29990	30632	31274	31916	32557	80753
6766	.33199	33841	34483	35125	35767	36409	37050	37692	38334	38976	80753
6767	.39618	40259	40901	41543	42185	42826	43468	44110	44752	45393	80753
6768	.46035	46677	47318	47960	48602	49243	49885	50527	51168	51810	80753
6769	.52451	53093	53735	54376	55018	55659	56301	56942	57584	58225	80685
6770	.58867	59508	60150	60791	61433	62074	62716	63357	63999	64640	80685
6771	.65281	65923	66564	67206	67847	68488	69130	69771	70412	71054	80685
6772	.71695	72336	72978	73619	74260	74901	75543	76184	76825	77466	80685
6773	.78108	78749	79390	80031	80672	81314	81955	82596	83237	83878	80685
6774	.84519	85160	85801	86443	87084	87725	88366	89007	89648	90289	80685
6775	.90930	91571	92212	92853	93494	94135	94776	95417	96058	96699	80685
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6777	831.03749	04389	05030	05671	06312	06953	07593	08234	08875	09516	80685
6778	.10156	10797	11438	12079	12719	13360	14001	14641	15282	15923	80685
6779	.16563	17204	17845	18485	19126	19767	20407	21048	21688	22329	80617
6780	.22969	23610	24250	24891	25532	26172	26813	27453	28094	28734	80617
6781	.29374	30015	30655	31296	31936	32577	33217	33857	34498	35138	80617
6782	.35779	36419	37059	37700	38340	38980	39621	40261	40901	41541	80617
6783	.42182	42822	43462	44102	44743	45383	46023	46663	47304	47944	80617
6784	.48584	49224	49864	50504	51145	51785	52425	53065	53705	54345	80617
6785	.54985	55625	56265	56905	57545	58185	58826	59466	60106	60746	80617
6786	.61386	62026	62665	63305	63945	64585	65225	65865	66505	67145	80617
6787	.67785	68425	69065	69705	70344	70984	71624	72264	72904	73544	80617
6788	.74183	74823	75463	76103	76742	77382	78022	78662	79301	79941	80617
6789	.80581	81221	81860	82500	83140	83779	84419	85059	85698	86338	80550
6790	.86977	87617	88257	88896	89536	90175	90815	91454	92094	92734	80550
6791	.93373	94013	94652	95292	95931	96571	97210	97849	98489	99128	80550
6792	.99768	00407	01047	01686	02325	02965	03604	04243	04883	05522	80550
6793	832.06161	06801	07440	08079	08719	09358	09997	10637	11276	11915	80550
6794	.12554	13193	13833	14472	15111	15750	16389	17029	17668	18307	80550
6795	.18946	19584	20223	20863	21503	22142	22781	23420	24059	24698	80550
6796	.25337	25976	26615	27254	27893	28532	29171	29810	30449	31088	80550
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6798	.38116	38755	39394	40033	40671	41310	41949	42588	43227	43865	80550
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6901	.91203	91832	92461	93091	93720	94349	94979	95608	96237	96866	79865
6902	.97496	98125	98754	99383	00012	00642	01271	01900	02529	03158	79865
6903	839.03787	04416	05046	05675	06304	06933	07562	08191	08820	09449	79865
6904	.10078	10707	11336	11965	12594	13223	13852	14481	15110	15739	79865
6905	.16368	16997	17626	18255	18884	19513	20142	20771	21400	22029	79865
6906	.22657	23286	23915	24544	25173	25802	26430	27059	27688	28317	79865
6907	.28946	29574	30203	30832	31461	32089	32718	33347	33976	34604	79865
6908	.35233	35862	36490	37119	37748	38376	39005	39633	40262	40891	79865
6909	.41519	42148	42776	43405	44034	44662	45291	45919	46548	47176	79795
6910	.47805	48433	49062	49690	50319	50947	51576	52204	52832	53461	79795
6911	.54089	54718	55346	55974	56603	57231	57860	58488	59116	59745	79795
6912	.60373	61001	61630	62258	62886	63514	64143	64771	65399	66027	79795
6913	.66656	67284	67912	68540	69169	69797	70425	71053	71681	72309	79795
6914	.72938	73566	74194	74822	75450	76078	76706	77334	77962	78590	79795
6915	.79218	79846	80475	81103	81731	82359	82987	83615	84243	84871	79795
6916	.85498	86126	86754	87382	88010	88638	89266	89894	90522	91150	79795
6917	.91778	92405	93033	93661	94289	94917	95545	96172	96800	97428	79795
6918	.98056	98684	99311	99939	00567	01195	01822	02450	03078	03705	79795
6919	840.04333	04961	05588	06216	06844	07472	08099	08727	09354	09982	79795
6920	.10609	11237	11865	12492	13120	13747	14375	15002	15630	16257	79726
6921	.16885	17512	18140	18767	19395	20022	20650	21277	21905	22532	79726
6922	.23160	23787	24414	25042	25669	26296	26924	27551	28179	28806	79726
6923	.29433	30060	30688	31315	31942	32570	33197	33824	34451	35079	79726
6924	.35706	36333	36960	37588	38215	38842	39469	40096	40723	41351	79726
6925	.41978	42605	43232	43859	44486	45113	45740	46367	46995	47622	79726
6926	.48249	48876	49503	50130	50757	51384	52011	52638	53265	53892	79726
6927	.54519	55146	55773	56400	57027	57653	58280	58907	59534	60161	79726
6928	.60788	61415	62042	62668	63295	63922	64549	65176	65803	66429	79726
6929	.67056	67683	68310	68936	69563	70190	70817	71443	72070	72697	79726
6930	.73323	73950	74577	75203	75830	76457	77083	77710	78337	78963	79726
6931	.79590	80216	80843	81470	82096	82723	83349	83976	84502	85229	79657
6932	.85855	86482	87108	87735	88361	88988	89614	90241	90867	91494	79657
6933	.92120	92746	93373	93999	94626	95252	95878	96505	97131	97757	79657
6934	.98384	99010	99636	00263	00889	01515	02142	02768	03394	04020	79657
6935	841.04647	05273	05899	06525	07151	07777	08404	09030	09656	10282	79657
6936	.10908	11535	12161	12787	13413	14039	14665	15291	15917	16543	79657
6937	.17169	17796	18422	19048	19674	20300	20926	21552	22178	22804	79657
6938	.23430	24056	24681	25307	25933	26559	27185	27811	28437	29063	79657
6939	.29689	30315	30940	31566	32192	32818	33444	34070	34695	35321	79657
6940	.35947	36573	37199	37824	38450	39076	39702	40327	40953	41579	79657
6941	.42204	42830	43456	44081	44707	45333	45958	46584	47210	47835	79657
6942	.48461	49086	49712	50338	50963	51589	52214	52840	53465	54091	79588
6943	.54717	55342	55968	56593	57219	57844	58469	59095	59720	60346	79588
6944	.60971	61597	62222	62847	63473	64098	64724	65349	65974	66600	79588
6945	.67225	67850	68476	69101	69726	70352	70977	71602	72227	72853	79588
6946	.73478	74103	74728	75353	75979	76604	77229	77854	78480	79105	79588
6947	.79730	80355	80980	81605	82230	82856	83481	84106	84731	85356	79588
6948	.85981	86606	87231	87856	88481	89106	89731	90356	90981	91606	79588
6949	.92231	92856	93481	94106	94731	95356	95981	96606	97231	97856	79588

Chiliades centum Logarithmorum.

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6950	841.98480	99105	99730	00355	00980	01605	02230	02854	03479	04104	79588
6951	842.04729	05354	05978	06603	07228	07853	08477	09102	09727	10352	79588
6952	.10976	11601	12226	12850	13475	14100	14724	15349	15974	16598	79588
6953	.17223	17848	18472	19097	19721	20346	20970	21595	22219	22844	79518
6954	.23469	24093	24718	25342	25967	26591	27216	27840	28465	29089	79518
6955	.29713	30338	30962	31587	32211	32836	33460	34084	34709	35333	79518
6956	.35957	36582	37206	37830	38455	39079	39703	40328	40952	41576	79518
6957	.42200	42825	43449	44073	44697	45321	45946	46570	47194	47618	79518
6958	.48442	49067	49691	50315	50939	51563	52187	52811	53435	54060	79518
6959	.54684	55308	55932	56556	57180	57804	58428	59052	59676	60300	79518
6960	.60924	61548	62172	62796	63420	64044	64668	65292	65916	66539	79518
6961	.67163	67787	68411	69035	69659	70283	70907	71530	72154	72778	79518
6962	.73402	74026	74649	75273	75897	76521	77145	77768	78392	79016	79518
6963	.79640	80263	80887	81511	82134	82758	83381	84005	84629	85253	79518
6964	.85876	86500	87123	87747	88371	88994	89618	90241	90865	91488	79448
6965	.92112	92736	93359	93983	94606	95230	95853	96477	97100	97724	79448
6966	.98347	98970	99594	00217	00841	01464	02088	02711	03334	03958	79448
6967	843.04581	05204	05828	06451	07074	07698	08321	08944	09568	10191	79448
6968	.10814	11437	12061	12684	13307	13930	14554	15177	15800	16423	79448
6969	.17046	17670	18293	18916	19539	20162	20785	21409	22032	22655	79448
6970	.23278	23901	24524	25147	25770	26393	27016	27639	28262	28885	79448
6971	.29508	30131	30754	31377	32000	32623	33246	33869	34492	35115	79448
6972	.35738	36361	36984	37607	38229	38852	39475	40098	40721	41344	79448
6973	.41967	42589	43212	43835	44458	45081	45703	46326	46949	47572	79448
6974	.48194	48817	49440	50062	50685	51308	51931	52553	53176	53799	79448
6975	.54421	55044	55666	56289	56912	57534	58157	58779	59402	60025	79379
6976	.60647	61270	61892	62515	63137	63760	64382	65005	65627	66250	79379
6977	.66872	67495	68117	68740	69362	69985	70607	71229	71852	72474	79379
6978	.73097	73719	74342	74964	75586	76208	76831	77453	78075	78698	79379
6979	.79320	79942	80564	81187	81809	82431	83053	83676	84298	84920	79379
6980	.85542	86164	86787	87409	88031	88653	89275	89897	90520	91142	79379
6981	.91764	92386	93008	93630	94252	94874	95496	96118	96740	97362	79379
6982	.97984	98606	99228	99850	00472	01094	01716	02338	02960	03582	79379
6983	844.04204	04826	05448	06070	06692	07314	07936	08558	09179	09801	79379
6984	.10423	11045	11667	12288	12910	13532	14154	14776	15398	16019	79379
6985	.16641	17263	17885	18506	19128	19750	20371	20993	21614	22236	79379
6986	.22858	23480	24101	24723	25345	25966	26588	27210	27831	28453	79379
6987	.29074	29696	30317	30939	31561	32182	32804	33425	34047	34668	79309
6988	.35290	35911	36533	37154	37776	38397	39018	39640	40261	40883	79309
6989	.41504	42125	42747	43368	43990	44611	45232	45854	46475	47096	79309
6990	.47718	48339	48960	49581	50203	50824	51445	52067	52688	53309	79309
6991	.53930	54551	55173	55794	56415	57036	57657	58279	58900	59521	79309
6992	.60142	60763	61384	62005	62626	63247	63869	64490	65111	65732	79309
6993	.66353	66974	67595	68216	68837	69458	70079	70700	71321	71942	79309
6994	.72563	73184	73805	74426	75047	75667	76288	76909	77530	78151	79309
6995	.78772	79393	80014	80634	81255	81876	82497	83118	83739	84359	79309
6996	.84980	85601	86222	86842	87463	88084	88705	89325	89946	90567	79309
6997	.91187	91808	92429	93049	93670	94291	94911	95532	96153	96773	79309
6998	.97394	98014	98635	99256	99876	00497	01117	01738	02358	02979	79239
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7001	.16008	16628	17248	17869	18489	19109	19730	20350	20970	21590	79239
7002	.22211	22831	23451	24071	24692	25312	25932	26552	27172	27792	79239
7003	.28413	29033	29653	30273	30893	31513	32133	32754	33374	33994	79239
7004	.34614	35234	35854	36474	37094	37714	38334	38954	39574	40194	79239
7005	.40814	41434	42054	42674	43294	43914	44534	45154	45774	46393	79239
7006	.47013	47633	48253	48873	49493	50113	50732	51352	51972	52592	79239
7007	.53212	53832	54451	55071	55691	56311	56930	57550	58170	58790	79239
7008	.59409	60029	60649	61268	61888	62508	63127	63747	64367	64986	79239
7009	.65606	66226	66845	67465	68084	68704	69324	69943	70563	71182	79169
7010	.71802	72421	73041	73660	74280	74899	75519	76138	76758	77377	79169
7011	.77997	78616	79236	79855	80474	81094	81713	82333	82952	83571	79169
7012	.84191	84810	85429	86049	86668	87287	87907	88526	89145	89765	79169
7013	.90385	91003	91622	92242	92861	93480	94099	94719	95338	95957	79169
7014	.96576	97195	97815	98434	99053	99672	00291	00910	01529	02148	79169
7015	846.02768	03387	04006	04625	05244	05863	06482	07101	07720	08339	79169
7016	.08958	09577	10196	10815	11434	12053	12672	13291	13909	14529	79169
7017	.15148	15767	16385	17004	17623	18242	18861	19479	20099	20718	79169
7018	.21336	21955	22574	23193	23812	24430	25049	25668	26287	26905	79169
7019	.27524	28143	28762	29380	29999	30618	31237	31855	32474	33093	79169
7020	.33711	34329	34949	35567	36186	36804	37423	38042	38660	39279	79169
7021	.39897	40516	41134	41753	42371	42990	43609	44227	44846	45464	79098
7022	.46083	46701	47319	47938	48556	49174	49793	50412	51030	51648	79098
7023	.52267	52885	53504	54122	54740	55359	55977	56595	57214	57832	79098
7024	.58450	59069	59687	60305	60923	61542	62159	62778	63396	64015	79098
7025	.64633	65251	65869	66487	67106	67724	68342	68960	69578	70196	79098
7026	.70815	71433	72051	72669	73287	73905	74523	75141	75759	76377	79098
7027	.76995	77613	78231	78849	79467	80085	80703	81321	81939	82557	79098
7028	.83175	83793	84411	85029	85647	86265	86883	87501	88119	88736	79098
7029	.89354	89972	90590	91208	91826	92444	93061	93679	94297	94915	79098
7030	.95533	96150	96768	97386	98004	98621	99239	99857	00474	01092	79098
7031	847.01709	02327	02945	03563	04180	04798	05416	06033	06651	07269	79098
7032	.07886	08504	09121	09739	10357	10974	11592	12209	12827	13444	79028
7033	.14062	14679	15297	15914	16532	17149	17767	18384	19002	19619	79028
7034	.20236	20854	21471	22089	22706	23323	23941	24558	25175	25793	79028
7035	.26410	27028	27645	28262	28879	29497	30114	30731	31349	31966	79028
7036	.32583	33200	33818	34435	35052	35669	36286	36904	37521	38138	79028
7037	.38755	39372	39989	40607	41224	41841	42458	43075	43692	44309	79028
7038	.44926	45543	46160	46777	47394	48011	48629	49246	49863	50479	79028
7039	.51097	51714	52330	52947	53564	54181	54798	55415	56032	56649	79028
7040	.57266	57883	58499	59117	59733	60350	60967	61584	62201	62818	79028
7041	.63434	64051	64668	65285	65902	66518	67135	67752	68369	68986	79028
7042	.69602	70219	70836	71452	72069	72686	73302	73919	74536	75152	79028
7043	.75769	76385	77002	77619	78235	78852	79468	80085	80702	81318	78958
7044	.81935	82551	83168	83784	84401	85017	85634	86250	86867	87483	78958
7045	.88099	88716	89333	89949	90566	91182	91798	92415	93031	93648	78958
7046	.94264	94880	95497	96113	96729	97346	97962	98578	99195	99811	78958
7047	848.00427	01043	01659	02276	02892	03508	04125	04741	05357	05973	78958
7048	.06589	07206	07822	08438	09054	09670	10287	10903	11519	12135	78958
7049	.12751	13367	13983	14599	15215	15831	16448	17064	17679	18296	78958

Chiliades centum Logarithmorum.

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D. 2
7050	848.18912	19528	20144	20759	21376	21992	22608	23224	23839	24456	78958
7051	.25071	25687	26303	26919	27535	28151	28767	29383	29999	30615	78958
7052	.31230	31846	32462	33078	33694	34309	35926	35541	36157	36773	78958
7053	.37388	38004	38619	39236	39851	40467	41083	41698	42314	42929	78958
7054	.43546	44161	44777	45393	46008	46624	47239	47855	48471	49086	78958
7055	.49702	50317	50933	51549	52164	52779	53395	54011	54626	55242	78887
7056	.55857	56473	57088	57704	58319	58935	59550	60165	60781	61396	78887
7057	.62012	62627	63243	63858	64473	65089	65704	66319	66935	67550	78887
7058	.68165	68781	69396	70011	70627	71242	71857	72472	73088	73703	78887
7059	.74318	74933	75549	76164	76779	77394	78009	78625	79239	79855	78887
7060	.80470	81085	81700	82316	82931	83546	84161	84776	85391	86006	78887
7061	.86621	87236	87851	88466	89081	89696	90311	90926	91541	92156	78887
7062	.92771	93386	94001	94616	95231	95846	96461	97076	97691	98306	78887
7063	.98921	99536	00150	00765	01380	01995	02609	03225	03839	04454	78887
7064	849.05069	05684	06299	06913	07528	08143	08758	09372	09987	10602	78887
7065	.11217	11831	12446	13061	13675	14290	14905	15519	16134	16749	78887
7066	.17363	17978	18593	19207	19822	20436	21051	21665	22280	22895	78816
7067	.23509	24124	24738	25353	25967	26582	27196	27811	28425	29039	78816
7068	.29654	30269	30883	31497	32112	32726	33341	33955	34569	35184	78816
7069	.35798	36413	37027	37641	38256	38869	39484	40099	40713	41327	78816
7070	.41941	42556	43169	43784	44398	45013	45627	46241	46855	47469	78816
7071	.48084	48698	49312	49926	50549	51155	51769	52383	52997	53611	78816
7072	.54225	54839	55453	56067	56682	57296	57909	58524	59138	59752	78816
7073	.60366	60979	61594	62208	62822	63436	64049	64664	65278	65892	78816
7074	.66506	67119	67733	68347	68961	69575	70189	70803	71417	72031	78816
7075	.72644	73258	73872	74486	75099	75714	76327	76941	77555	78169	78816
7076	.78782	79396	80009	80624	81237	81851	82465	83079	83692	84306	78816
7077	.84919	85533	86147	86761	87374	87988	88601	89215	89829	90442	78816
7078	.91056	91669	92283	92897	93510	94124	94737	95351	95964	96578	78746
7079	.97191	97805	98418	99032	99645	00259	00872	01486	02099	02712	78746
7080	850.03326	03939	04553	05166	05779	06393	07006	07619	08233	08846	78746
7081	.09459	10073	10686	11299	11913	12526	13139	13752	14366	14979	78746
7082	.15592	16205	16819	17432	18045	18658	19272	19885	20498	21111	78746
7083	.21724	22337	22950	23564	24177	24789	25403	26016	26629	27242	78746
7084	.27855	28468	29081	29694	30307	30920	31533	32146	32759	33372	78746
7085	.33985	34598	35211	35824	36437	37050	37663	38276	38889	39502	78746
7086	.40115	40728	41341	41953	42566	43179	43792	44405	45018	45630	78746
7087	.46243	46856	47469	48082	48694	49307	49919	50533	51145	51758	78746
7088	.52371	52984	53596	54209	54822	55434	56047	56659	57272	57885	78746
7089	.58498	59110	59723	60335	60948	61561	62173	62786	63398	64011	78675
7090	.64624	65236	65849	66461	67074	67686	68299	68911	69524	70136	78675
7091	.70749	71361	71973	72586	73198	73811	74423	75036	75648	76260	78675
7092	.76873	77485	78097	78709	79322	79934	80547	81159	81771	82384	78675
7093	.82996	83608	84221	84833	85445	86057	86669	87282	87894	88506	78675
7094	.89118	89731	90343	90955	91567	92179	92791	93404	94016	94628	78675
7095	.95239	95852	96464	97076	97688	98300	98913	99525	00137	00749	78675
7096	851.01361	01973	02585	03197	03809	04421	05033	05645	06257	06869	78675
7097	.07481	08092	08704	09316	09928	10540	11152	11764	12376	12988	78675
7098	.13599	14211	14823	15435	16047	16659	17270	17882	18494	19106	78675
7099	.19718	20329	20941	21553	22165	22776	23388	23999	24611	25223	78675

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7100	851.25835	26447	27058	27670	28282	28893	29505	30116	30728	31340	78675
7101	·31951	32563	33174	33786	34398	35009	35621	36232	36844	37455	78604
7102	·38067	38678	39290	39901	40513	41124	41736	42347	42959	43570	78604
7103	·44181	44793	45404	46016	46627	47238	47850	48461	49073	49684	78604
7104	·50295	50907	51518	52129	52741	53352	53963	54574	55186	55797	78604
7105	·56408	57019	57631	58242	58853	59464	60076	60687	61298	61909	78604
7106	·62520	63131	63743	64354	64965	65576	66187	66798	67409	68020	78604
7107	·68632	69243	69854	70465	71076	71687	72298	72909	73520	74131	78604
7108	·74742	75353	75964	76575	77186	77797	78408	79019	79630	80241	78604
7109	·80851	81462	82073	82684	83295	83906	84517	85128	85738	86349	78604
7110	·86960	87571	88182	88793	89403	90014	90625	91236	91846	92457	78604
7111	·93068	93678	94289	94900	95511	96121	96732	97343	97953	98564	78604
7112	·99175	99785	00396	01007	01617	02228	02839	03449	04060	04670	78604
7113	852.05281	05891	06502	07113	07723	08334	08944	09555	10165	10776	78532
7114	·11386	11997	12607	13217	13828	14438	15049	15659	16270	16880	78532
7115	·17490	18101	18711	19322	19932	20542	21153	21763	22373	22984	78532
7116	·23594	24204	24815	25425	26035	26645	27256	27866	28476	29086	78532
7117	·29697	30307	30917	31527	32137	32748	33358	33968	34578	35188	78532
7118	·35798	36409	37019	37629	38239	38849	39459	40069	40679	41289	78532
7119	·41899	42509	43119	43729	44339	44949	45559	46169	46779	47389	78532
7120	·47999	48609	49219	49829	50439	51049	51659	52269	52879	53489	78532
7121	·54099	54708	55318	55928	56538	57148	57758	58368	58977	59587	78532
7122	·60197	60807	61417	62026	62636	63246	63856	64465	65075	65685	78532
7123	·66294	66904	67514	68124	68733	69343	69953	70562	71172	71781	78532
7124	·72391	73001	73610	74220	74830	75439	76049	76658	77268	77877	78461
7125	·78487	79096	79706	80315	80925	81534	82144	82753	83363	83972	78461
7126	·84582	85191	85801	86410	87020	87629	88238	88847	89457	90067	78461
7127	·90676	91285	91895	92504	93113	93723	94332	94941	95551	96160	78461
7128	·96769	97378	97988	98597	99206	99815	00425	01034	01643	02252	78461
7129	853.02861	03471	04080	04689	05298	05907	06516	07126	07735	08344	78461
7130	·08953	09562	10171	10780	11389	11998	12607	13217	13826	14435	78461
7131	·15044	15653	16262	16871	17480	18089	18698	19307	19916	20525	78461
7132	·21133	21742	22351	22960	23569	24178	24787	25396	26005	26614	78461
7133	·27222	27831	28440	29049	29658	30267	30875	31484	32093	32702	78461
7134	·33311	33919	34528	35137	35746	36354	36963	37572	38180	38789	78461
7135	·39398	40006	40615	41224	41832	42441	43050	43658	44267	44876	78461
7136	·45484	46093	46701	47310	47918	48527	49136	49744	50353	50961	78390
7137	·51570	52178	52787	53395	54004	54612	55221	55829	56437	57046	78390
7138	·57654	58263	58871	59480	60088	60696	61305	61913	62522	63130	78390
7139	·63738	64347	64955	65563	66171	66780	67388	67996	68605	69213	78390
7140	·69821	70429	71038	71646	72254	72862	73471	74079	74687	75295	78390
7141	·75903	76511	77120	77728	78336	78944	79552	80160	80768	81377	78390
7142	·81985	82593	83201	83809	84417	85025	85633	86241	86849	87457	78390
7143	·88065	88673	89281	89889	90497	91105	91713	92321	92929	93537	78390
7144	·94145	94753	95360	95968	96576	97184	97792	98400	99008	99615	78390
7145	854.00223	00831	01439	02047	02655	03262	03870	04478	05086	05693	78390
7146	·06301	06909	07517	08124	08732	09340	09948	10555	11163	11771	78390
7147	·12378	12986	13594	14201	14809	15416	16024	16632	17239	17847	78390
7148	·18454	19062	19670	20277	20885	21492	22100	22707	23315	23922	78318
7149	·24530	25137	25745	26352	26960	27567	28174	28782	29389	29997	78318

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7150	854·30604	31212	31819	32426	33034	33641	34248	34856	35463	36070	78318
7151	·36678	37285	37892	38499	39107	39714	40322	40929	41536	42143	78318
7152	·42751	43358	43965	44572	45179	45787	46394	47001	47608	48215	78318
7153	·48823	49429	50037	50644	51251	51858	52465	53072	53679	54287	78318
7154	·54894	55501	56108	56715	57322	57929	58536	59143	59749	60357	78318
7155	·60964	61571	62178	62785	63392	63999	64606	65212	65819	66426	78318
7156	·67033	67640	68247	68854	69461	70068	70674	71282	71888	72495	78318
7157	·73102	73709	74315	74922	75529	76136	76742	77349	77956	78563	78318
7158	·79169	79776	80383	80989	81596	82203	82809	83416	84023	84629	78318
7159	·85236	85843	86449	87056	87663	88269	88876	89483	90089	90696	78318
7160	·91302	91909	92515	93122	93728	94335	94941	95548	96154	96761	78247
7161	·97367	97974	98580	99187	99793	00399	01006	01612	02219	02825	78247
7162	855·03432	04038	04644	05251	05857	06465	07069	07676	08282	08889	78247
7163	·09495	10101	10708	11314	11920	12527	13133	13739	14345	14952	78247
7164	·15558	16164	16770	17376	17983	18589	19195	19801	20407	21013	78247
7165	·21619	22226	22832	23438	24044	24650	25256	25862	26468	27074	78247
7166	·27680	28286	28892	29498	30105	30711	31317	31923	32529	33134	78247
7167	·33740	34346	34952	35558	36164	36770	37376	37982	38588	39194	78247
7168	·39799	40406	41011	41617	42223	42829	43435	44041	44646	45252	78247
7169	·45858	46464	47069	47675	48281	48887	49493	50098	50704	51309	78247
7170	·51916	52521	53127	53733	54338	54944	55549	56155	56761	57367	78247
7171	·57972	58578	59183	59789	60395	61000	61606	62211	62817	63423	78157
7172	·64028	64634	65239	65845	66450	67056	67661	68267	68872	69478	78157
7173	·70083	70689	71294	71899	72505	73110	73716	74321	74926	75532	78157
7174	·76137	76743	77348	77953	78559	79164	79769	80375	80979	81585	78157
7175	·82191	82796	83401	84006	84612	85217	85822	86427	87033	87638	78157
7176	·88243	88848	89453	90059	90664	91268	91874	92479	93084	93689	78157
7177	·94295	94899	95505	96109	96715	97320	97925	98530	99135	99740	78157
7178	856·00345	00950	01555	02160	02765	03370	03975	04580	05185	05790	78157
7179	·06395	07000	07605	08210	08815	09419	10025	10629	11235	11839	78157
7180	·12444	13049	13654	14259	14864	15469	16073	16678	17283	17888	78157
7181	·18493	19097	19702	20307	20912	21516	22121	22726	23331	23935	78157
7182	·24540	25145	25749	26354	26959	27563	28168	28773	29377	29982	78157
7183	·30587	31191	31796	32400	33005	33610	34214	34819	35423	36028	78103
7184	·36632	37237	37841	38446	39050	39655	40259	40864	41468	42073	78103
7185	·42677	43282	43886	44491	45095	45699	46304	46908	47513	48117	78103
7186	·48721	49326	49929	50534	51139	51743	52347	52952	53556	54160	78103
7187	·54764	55369	55973	56577	57182	57786	58390	58994	59598	60203	78103
7188	·60807	61411	62015	62619	63224	63828	64432	65036	65640	66244	78103
7189	·66848	67452	68057	68661	69265	69869	70473	71077	71681	72285	78103
7190	·72889	73493	74097	74701	75305	75909	76513	77117	77721	78325	78103
7191	·78929	79533	80137	80741	81345	81949	82552	83156	83760	84364	78103
7192	·84968	85572	86176	86779	87383	87987	88591	89195	89798	90402	78103
7193	·91006	91609	92214	92817	93421	94025	94629	95232	95836	96439	78103
7194	·97043	97647	98251	98854	99458	00062	00665	01269	01873	02476	78103
7195	857·03079	03683	04287	04891	05494	06098	06701	07305	07908	08512	78031
7196	·09115	09719	10322	10926	11529	12133	12736	13339	13943	14547	78031
7197	·15150	15754	16357	16961	17564	18167	18771	19374	19978	20581	78031
7198	·21184	21788	22391	22994	23598	24201	24804	25408	26011	26614	78031
7199	·27217	27821	28424	29027	29630	30234	30837	31440	32043	32646	78031

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7200	857·33249	33853	34456	35059	35662	36265	36869	37472	38075	38678	78031
7201	·39281	39884	40487	41090	41693	42297	42899	43503	44106	44709	78031
7202	·45312	45915	46518	47121	47724	48327	48929	49533	50136	50739	78031
7203	·51341	51944	52547	53150	53753	54356	54959	55562	56165	56768	78031
7204	·57370	57973	58576	59179	59782	60385	60987	61590	62193	62796	78031
7205	·63399	64001	64604	65207	65810	66412	67015	67618	68220	68823	78031
7206	·69426	70028	70631	71234	71836	72439	73042	73644	74247	74850	78031
7207	·75452	76055	76657	77260	77863	78465	79068	79670	80273	80875	77959
7208	·81478	82080	82683	83285	83888	84490	85093	85695	86298	86900	77959
7209	·87503	88105	88707	89310	89912	90515	91117	91719	92322	92924	77959
7210	·93526	94129	94731	95333	95936	96538	97140	97743	98345	98947	77959
7211	·99550	00152	00754	01356	01959	02561	03163	03765	04367	04970	77959
7212	858·05572	06174	06776	07378	07980	08583	09185	09787	10389	10991	77959
7213	·11593	12195	12797	13399	14002	14604	15206	15808	16410	17012	77959
7214	·17614	18216	18818	19420	20022	20624	21226	21828	22430	23032	77959
7215	·23634	24235	24837	25439	26041	26643	27245	27847	28449	29051	77959
7216	·29652	30254	30856	31458	32060	32662	33263	33865	34467	35069	77959
7217	·35671	36272	36874	37476	38078	38679	39281	39883	40484	41086	77959
7218	·41688	42289	42891	43493	44094	44696	45298	45899	46501	47103	77959
7219	·47704	48306	48907	49509	50111	50712	51314	51915	52517	53118	77887
7220	·53720	54321	54923	55524	56126	56727	57329	57930	58532	59133	77887
7221	·59735	60336	60937	61539	62140	62742	63343	63944	64546	65147	77887
7222	·65748	66350	66951	67552	68154	68755	69356	69958	70559	71160	77887
7223	·71761	72363	72964	73565	74166	74768	75369	75970	76571	77173	77887
7224	·77774	78375	78976	79577	80178	80780	81381	81982	82583	83184	77887
7225	·83785	84386	84987	85588	86189	86791	87392	87993	88594	89195	77887
7226	·89796	90397	90998	91599	92200	92801	93402	94003	94604	95205	77887
7227	·95805	96406	97007	97608	98209	98810	99411	00012	00613	01213	77887
7228	859·01814	02415	03016	03617	04218	04819	05419	06020	06621	07222	77887
7229	·07822	08423	09024	09625	10225	10826	11427	12028	12628	13229	77887
7230	·13830	14430	15031	15632	16232	16833	17434	18034	18635	19236	77887
7231	·19836	20437	21037	21638	22238	22839	23440	24040	24641	25241	77815
7232	·25842	26442	27043	27643	28244	28844	29445	30045	30646	31246	77815
7233	·31847	32447	33047	33648	34248	34849	35449	36049	36650	37250	77815
7234	·37850	38451	39051	39651	40252	40852	41452	42053	42653	43253	77815
7235	·43854	44454	45054	45654	46255	46855	47455	48055	48655	49256	77815
7136	·49856	50456	51056	51656	52257	52857	53457	54057	54657	55257	77815
7237	·55857	56457	57057	57658	58258	58858	59458	60058	60658	61258	77815
7238	·61858	62458	63058	63658	64258	64858	65458	66058	66658	67258	77815
7239	·67858	68458	69058	69657	70257	70857	71457	72057	72657	73257	77815
7240	·73857	74456	75056	75656	76256	76856	77456	78055	78655	79255	77815
7241	·79855	80455	81054	81654	82254	82853	83453	84053	84653	85252	77815
7242	·85852	86452	87051	87651	88251	88850	89450	90050	90649	91249	77815
7243	·91849	92448	93048	93647	94247	94846	95446	96046	96645	97245	77742
7244	·97844	98444	99043	99643	00242	00842	01441	02041	02640	03240	77742
7245	860·03839	04438	05038	05637	06237	06836	07435	08035	08634	09234	77742
7246	·09833	10432	11032	11631	12230	12830	13429	14028	14628	15227	77742
7247	·15826	16425	17025	17624	18223	18822	19422	20021	20620	21219	77742
7248	·21818	22418	23017	23616	24215	24814	25413	26013	26612	27211	77742
7249	·27810	28409	29008	29607	30206	30805	31404	32004	32603	33202	77742

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7250	860.33801	34400	34999	35598	36197	36796	37395	37994	38593	39192	77742
7251	.39791	40389	40988	41587	42186	42785	43384	43983	44582	45181	77742
7252	.45780	46378	46977	47576	48175	48774	49373	49971	50570	51169	77742
7253	.51768	52367	52965	53564	54163	54762	55360	55959	56558	57156	77742
7254	.57755	58354	58953	59551	60150	60749	61347	61946	62544	63143	77742
7255	.63742	64340	64939	65537	66136	66735	67333	67932	68530	69129	77670
7256	.69727	70326	70924	71523	72121	72720	73318	73917	74515	75114	77670
7257	.75712	76311	76909	77508	78106	78704	79303	79901	80500	81098	77670
7258	.81696	82295	82893	83491	84090	84688	85286	85885	86483	87081	77670
7259	.87680	88278	88876	89474	90073	90671	91269	91867	92466	93064	77670
7260	.93662	94260	94858	95457	96055	96653	97251	97849	98447	99046	77670
7261	.99644	00242	00840	01438	02036	02634	03232	03830	04428	05026	77670
7262	861.05624	06222	06821	07419	08017	08615	09213	09811	10408	11006	77670
7263	.11604	12202	12800	13398	13996	14594	15192	15789	16388	16986	77670
7264	.17584	18181	18779	19377	19975	20573	21171	21768	22366	22964	77670
7265	.23562	24159	24757	25355	25953	26551	27148	27746	28344	28942	77670
7266	.29539	30137	30735	31332	31930	32528	33125	33723	34321	34918	77670
7267	.35516	36114	36711	37309	37906	38504	39102	39699	40297	40894	77597
7268	.41492	42089	42687	43284	43882	44479	45077	45674	46272	46869	77597
7269	.47467	48064	48662	49259	49857	50454	51052	51649	52246	52844	77597
7270	.53441	54038	54636	55233	55831	56428	57025	57623	58219	58817	77597
7271	.59414	60012	60609	61206	61804	62401	62998	63595	64193	64789	77597
7272	.65387	65984	66581	67179	67776	68373	68970	69567	70164	70762	77597
7273	.71359	71956	72553	73150	73747	74344	74941	75538	76136	76733	77597
7274	.77329	77927	78524	79121	79718	80315	80912	81509	82106	82703	77597
7275	.83299	83897	84494	85091	85688	86285	86881	87478	88075	88672	77597
7276	.89269	89866	90463	91059	91656	92253	92850	93447	94044	94641	77597
7277	.95237	95834	96431	97028	97525	98221	98818	99415	00012	00608	77597
7278	862.01205	01802	02399	02995	03592	04189	04785	05382	05979	06575	77597
7279	.07172	07769	08365	08962	09558	10155	10752	11348	11945	12541	77524
7280	.13138	13734	14331	14928	15524	16121	16717	17314	17910	18507	77524
7281	.19103	19699	20296	20893	21489	22085	22682	23278	23875	24471	77524
7282	.25067	25664	26260	26857	27453	28049	28646	29242	29838	30435	77524
7283	.31031	31627	32224	32819	33416	34012	34609	35205	35801	36397	77524
7284	.36994	37589	38186	38782	39379	39975	40571	41167	41763	42359	77524
7285	.42956	43592	44148	44744	45340	45936	46532	47128	47725	48321	77524
7286	.48917	49513	50109	50705	51301	51897	52493	53089	53685	54281	77524
7287	.54877	55473	56069	56665	57261	57857	58453	59049	59645	60240	77524
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7292	.84666	85262	85857	86453	87048	87644	88239	88835	89430	90026	77451
7293	.90621	91217	91812	92408	93003	93599	94194	94789	95385	95980	77451
7294	.96576	97171	97767	98362	98957	99553	00148	00744	01339	01934	77451
7295	863.02529	03125	03720	04316	04911	05506	06101	06697	07292	07888	77451
7296	.08483	09078	09673	10268	10863	11459	12054	12649	13244	13839	77451
7297	.14435	15029	15625	16220	16815	17410	18005	18601	19196	19791	77451
7298	.20386	20981	21576	22171	22766	23361	23956	24551	25146	25741	77451
7299	.26336	26931	27526	28121	28716	29311	29906	30501	31096	31691	77451

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7300	863.32286	32881	33476	34071	34666	35261	35855	36450	37045	37640	77451
7301	.38235	38829	39425	40019	40614	41209	41804	42399	42993	43588	77451
7302	.44183	44778	45372	45967	46562	47157	47751	48346	48941	49535	77451
7303	.50130	50725	51319	51914	52509	53103	53698	54293	54887	55482	77451
7304	.56076	56671	57266	57860	58455	59049	59644	60238	60833	61428	77378
7305	.62022	62617	63211	63806	64400	64995	65589	66183	66778	67372	77378
7306	.67967	68561	69156	69750	70344	70939	71533	72128	72722	73316	77378
7307	.73911	74505	75099	75694	76288	76882	77477	78071	78665	79259	77378
7308	.79854	80448	81042	81636	82231	82825	83419	84014	84608	85202	77378
7309	.85796	86390	86985	87579	88173	88767	89361	89955	90549	91144	77378
7310	.91738	92332	92926	93519	94114	94708	95302	95899	96490	97084	77378
7311	.97678	98272	98866	99460	00054	00648	01242	01836	02430	03024	77378
7312	864.03618	04212	04806	05400	05994	06588	07182	07776	08369	08963	77378
7313	.09557	10151	10745	11339	11933	12527	13120	13714	14308	14902	77378
7314	.15496	16089	16683	17277	17871	18464	19058	19652	20246	20839	77378
7315	.21433	22027	22620	23214	23808	24401	24995	25589	26182	26776	77378
7316	.27369	27963	28557	29151	29744	30338	30931	31525	32118	32712	77378
7317	.33305	33899	34493	35086	35679	36273	36867	37460	38054	38647	77305
7318	.39241	39834	40427	41021	41614	42208	42801	43395	43988	44581	77305
7319	.45175	45768	46361	46955	47548	48142	48735	49328	49921	50515	77305
7320	.51108	51701	52295	52888	53481	54075	54668	55261	55854	56447	77305
7321	.57041	57634	58227	58820	59413	60007	60599	61193	61786	62379	77305
7322	.62972	63566	64159	64752	65345	65938	66531	67124	67717	68310	77305
7323	.68903	69496	70089	70683	71276	71869	72462	73055	73648	74241	77305
7324	.74834	75427	76019	76612	77205	77798	78391	78984	79577	80170	77305
7325	.80763	81356	81949	82542	83134	83727	84320	84913	85506	86099	77305
7326	.86691	87284	87877	88469	89063	89655	90248	90841	91434	92026	77305
7327	.92619	93212	93805	94397	94990	95583	96175	96768	97361	97953	77305
7328	.98546	99139	99731	00324	00917	01509	02102	02694	03287	03879	77305
7329	865.04472	05065	05657	06249	06842	07435	08027	08619	09212	09805	77232
7330	.10397	10989	11582	12175	12767	12359	13952	14545	15137	15729	77232
7331	.16321	16914	17507	18099	18692	19284	19876	20469	21061	21654	77232
7332	.22246	22838	23430	24023	24615	25207	25799	26392	26984	27576	77232
7333	.28169	28761	29353	29945	30537	31129	31722	32314	32907	33498	77232
7334	.34091	34683	35275	35867	36459	37051	37643	38236	38828	39419	77232
7335	.40012	40604	41196	41788	42380	42972	43564	44156	44748	45340	77232
7336	.45932	46524	47116	47708	48300	48892	49484	50076	50668	51259	77232
7337	.51852	52444	53036	53628	54219	54811	55403	55995	56587	57179	77232
7338	.57771	58363	58954	59546	60138	60729	61322	61913	62505	63097	77232
7339	.63689	64281	64872	65464	66056	66647	67239	67831	68423	69014	77232
7340	.69606	70198	70789	71381	71973	72564	73156	73748	74339	74931	77232
7341	.75522	76114	76706	77297	77889	78480	79072	79663	80255	80846	77158
7342	.81438	82029	82621	83213	83804	84396	84987	85578	86169	86761	77158
7343	.87353	87944	88535	89127	89719	90309	90901	91493	92084	92675	77158
7344	.93267	93858	94449	95041	95632	96224	96815	97406	97997	98589	77158
7345	.99180	99771	00363	00954	01545	02136	02728	03319	03909	04501	77158
7346	866.05093	05684	06275	06866	07458	08048	08639	09231	09822	10413	77158
7347	.11004	11595	12186	12777	13368	13959	14551	15142	15733	16324	77158
7348	.16915	17506	18097	18688	19279	19869	20461	21052	21643	22234	77158
7349	.22825	23416	24007	24598	25189	25779	26370	26961	27552	28143	77158

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7351	.34642	35233	35824	36415	37005	37596	38187	38778	39368	39959	77158
7352	.40550	41141	41731	42322	42913	43503	44094	44685	45275	45866	77158
7353	.46457	47047	47638	48228	48819	49410	50000	50591	51181	51772	77158
7354	.52363	52953	53544	54134	54725	55315	55906	56496	57087	57677	77985
7355	.58268	58858	59449	60039	60630	61220	61810	62401	62991	63582	77985
7356	.64172	64762	65353	65943	66533	67124	67714	68305	68895	69485	77985
7357	.70076	70666	71256	71847	72437	73027	73617	74208	74798	75388	77985
7358	.75978	76569	77159	77749	78339	78929	79520	80110	80700	81290	77985
7359	.81880	82470	83061	83651	84241	84831	85421	86011	86601	87191	77985
7360	.87781	88372	88962	89552	90142	90732	91322	91912	92502	93092	77985
7361	.93682	94272	94862	95452	96042	96632	97222	97812	98401	98991	77985
7362	.99581	00171	00761	01351	01941	02531	03121	03711	04300	04890	77985
7363	867.05480	06070	06660	07250	07839	08429	09019	09609	10198	10788	77985
7364	.11378	11968	12557	13147	13737	14327	14916	15506	16096	16685	77985
7365	.17275	17865	18454	19044	19634	20223	20813	21403	21992	22582	77985
7366	.23171	23761	24351	24940	25530	26119	26709	27298	27888	28477	77011
7367	.29067	29656	30246	30835	31425	32014	32604	33193	33783	34372	77011
7368	.34962	35551	36141	36730	37319	37909	38498	39088	39677	40266	77011
7369	.40856	41445	42034	42624	43213	43802	44392	44981	45570	46160	77011
7370	.46749	47338	47927	48517	49106	49695	50284	50874	51463	52052	77011
7371	.52641	53230	53819	54409	54998	55587	56176	56765	57354	57944	77011
7372	.58533	59122	59711	60300	60889	61478	62067	62656	63245	63834	77011
7373	.64423	65012	65601	66190	66779	67368	67957	68546	69135	69724	77011
7374	.70313	70902	71491	72080	72669	73258	73847	74436	75025	75614	77011
7375	.76202	76791	77380	77969	78558	79147	79736	80324	80913	81502	77011
7376	.82091	82680	83268	83857	84446	85035	85623	86212	86801	87390	77011
7377	.87978	88567	89156	89744	90333	90922	91510	92099	92688	93276	77011
7378	.93865	94454	95042	95631	96220	96808	97397	97985	98574	99162	77011
7379	.99751	00340	00928	01517	02105	02694	03283	03871	04459	05048	76937
7380	868.05636	06225	06813	07402	07990	08578	09167	09755	10344	10932	76937
7381	.11521	12109	12697	13286	13874	14462	15051	15639	16227	16816	76937
7382	.17404	17992	18581	19169	19757	20346	20934	21522	22110	22699	76937
7383	.23287	23875	24463	25052	25640	26228	26816	27404	27992	28581	76937
7384	.29169	29757	30345	30933	31521	32109	32698	33286	33874	34462	76937
7385	.35050	35638	36226	36814	37402	37990	38578	39166	39754	40342	76937
7386	.40930	41518	42106	42694	43282	43870	44458	45046	45634	46222	76937
7387	.46810	47398	47986	48574	49162	49749	50337	50925	51513	52101	76937
7388	.52689	53277	53864	54452	55040	55628	56216	56803	57391	57979	76937
7389	.58567	59154	59742	60330	60918	61505	62093	62681	63268	63856	76937
7390	.64444	65032	65619	66207	66794	67382	67970	68557	69145	69733	76937
7391	.70320	70908	71495	72083	72671	73258	73846	74433	75021	75608	76863
7392	.76196	76783	77371	77958	78546	79133	79721	80308	80896	81483	76863
7393	.82071	82658	83245	83833	84420	85008	85595	86183	86770	87357	76863
7394	.87945	88532	89119	89707	90294	90881	91469	92056	92643	93231	76863
7395	.93818	94405	94992	95580	96167	96754	97341	97929	98515	99104	76863
7396	.99690	00277	00865	01452	02039	02626	03213	03800	04388	04975	76863
7397	869.05562	06149	06736	07323	07910	08497	09084	09672	10259	10846	76863
7398	.11433	12020	12607	13194	13781	14368	14955	15542	16129	16716	76863
7399	.17303	17890	18477	19064	19651	20237	20824	21411	21998	22585	76863

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7400	869.23172	23759	24346	24933	25519	26106	26693	27280	27867	28454	7686 3
7401	.29040	29627	30214	30301	31388	31974	32561	33148	33735	34321	7686 3
7402	.34908	35495	36082	36668	37255	37842	38428	39015	39602	40188	7686 3
7403	.40775	41362	41948	42535	43121	43708	44295	44881	45468	46054	7686 3
7404	.46641	47228	47814	48401	48987	49574	50160	50747	51333	51920	7678 9
7405	.52506	53093	53679	54266	54852	55439	56025	56612	57198	57784	76789
7406	.58371	58957	59544	60130	60716	61303	61889	62475	63062	63648	76789
7407	.64234	64821	65407	65993	66580	67166	67752	68338	68925	69511	76789
7408	.70097	70684	71270	71856	72442	73029	73615	74201	74787	75373	76789
7409	.75959	76546	77132	77718	78304	78890	79476	80062	80649	81235	76789
7410	.81821	82407	82993	83579	84165	84751	85337	85923	86509	87095	76789
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7412	.93541	94127	94713	95299	95885	96471	97057	97642	98228	98814	76789
7413	.99400	99986	00572	01158	01743	02329	02915	03501	04087	04672	76789
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7415	.11116	11701	12287	12873	13458	14044	14629	15215	15801	16386	76789
7416	.16972	17558	18143	18729	19315	19900	20486	21071	21657	22242	76715
7417	.22828	23413	23999	24584	25170	25756	26341	26926	27512	28097	76715
7418	.28683	29268	29854	30439	31025	31610	32196	32781	33366	33952	76715
7419	.34537	35122	35708	36293	36878	37464	38049	38635	39220	39805	76715
7420	.40391	40976	41561	42146	42732	43317	43902	44487	45073	45658	7671 5
7421	.46243	46828	47414	47999	48584	49169	49754	50340	50925	51510	7671 5
7422	.52095	52680	53265	53850	54436	55021	55606	56191	56776	57361	7671 5
7423	.57940	58531	59116	59701	60286	60871	61456	62041	62626	63211	7671 5
7424	.63796	64381	64966	65551	66136	66721	67306	67891	68476	69061	7671 5
7425	.69646	70231	70816	71400	71985	72570	73155	73740	74325	74910	76715
7426	.75494	76079	76664	77249	77834	78419	79003	79588	80173	80758	76715
7427	.81342	81927	82512	83097	83681	84266	84851	85435	86020	86605	76715
7428	.87190	87774	88359	88943	89528	90113	90697	91282	91867	92451	76715
7429	.93036	93620	94205	94790	95374	95959	96543	97128	97712	98297	76641
7430	.98881	99465	00050	00635	01219	01804	02388	02973	03557	04142	76641
7431	871.04726	05311	05895	06479	07064	07648	08233	08817	09401	09986	76641
7432	.10570	11154	11739	12323	12907	13492	14076	14660	15245	15829	76641
7433	.16413	16998	17582	18166	18750	19335	19919	20503	21087	21671	76641
7434	.22256	22840	23424	24008	24592	25177	25761	26345	26929	27513	76641
7435	.28097	28681	29266	29850	30434	31018	31602	32186	32770	33354	76641
7436	.33938	34522	35106	35690	36274	36858	37442	38026	38610	39194	76641
7437	.39778	40362	40946	41530	42114	42698	43282	43866	44450	45034	76641
7438	.45617	46201	46785	47369	47953	48537	49121	49704	50288	50872	76641
7439	.51456	52040	52623	53207	53791	54375	54959	55542	56126	56710	76641
7440	.57294	57877	58461	59045	59628	60212	60796	61379	61963	62547	76641
7441	.63130	63714	64298	64881	65465	66049	66632	67216	67799	68383	76641
7442	.68967	69550	70134	70717	71301	71884	72468	73051	73635	74218	76566
7443	.74802	75385	75969	76552	77136	77719	78303	78886	79470	80053	76566
7444	.80637	81220	81803	82387	82970	83553	84137	84720	85304	85887	76566
7445	.86470	87054	87637	88220	88803	89387	89970	90553	91137	91720	76566
7446	.92303	92886	93470	94053	94636	95219	95802	96386	96969	97552	76566
7447	.98135	98719	99302	99885	00468	01051	01634	02217	02801	03384	76566
7448	866.03967	04550	05133	05716	06299	06882	07465	08048	08631	09214	76566
7449	.09797	10380	10963	11546	12129	12712	13295	13878	14461	15044	76566

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7450	872.15627	16210	16793	17376	17959	18542	19125	19708	20291	20873	76566
7451	.21456	22039	22622	23205	23788	24371	24953	25536	26119	26702	76566
7452	.27285	27867	28450	29033	29616	30198	30781	31364	31947	32529	76566
7453	.33112	33695	34278	34860	35443	36026	36608	37191	37774	38356	76566
7454	.38939	39521	40104	40687	41269	41852	42435	43017	43599	44182	76492
7455	.44765	45347	45929	46512	47095	47677	48259	48842	49425	50007	76492
7456	.50589	51172	51755	52337	52919	53502	54085	54667	55249	55832	76492
7457	.56414	56997	57579	58161	58744	59326	59909	60491	61073	61656	76492
7458	.62238	62820	63403	63985	64567	65149	65732	66314	66896	67478	76492
7459	.68061	68643	69225	69807	70389	70972	71554	72136	72718	73301	76492
7460	.73883	74465	75047	75629	76211	76793	77376	77958	78539	79122	76492
7461	.79704	80286	80868	81450	82032	82614	83196	83778	84360	84942	76492
7462	.85524	86106	86688	87270	87852	88434	89016	89598	90180	90762	76492
7463	.91344	91926	92508	93089	93672	94254	94836	95418	95999	96581	76492
7464	.97163	97745	98327	98908	99490	00072	00654	01236	01818	02399	76492
7465	873.02981	03563	04145	04726	05308	05889	06472	07053	07635	08217	76492
7466	.08799	09380	09962	10544	11125	11707	12289	12870	13452	14034	76492
7467	.14615	15197	15778	16359	16942	17523	18105	18686	19268	19849	76417
7468	.20431	21012	21594	22176	22757	23339	23920	24502	25083	25664	76417
7469	.26246	26827	27409	27990	28572	29153	29735	30316	30897	31479	76417
7470	.32060	32642	33223	34804	34386	34967	35548	36129	36711	37292	76417
7471	.37874	38455	39036	39618	40199	40780	41361	41943	42524	43105	76417
7472	.43686	44268	44849	45429	46011	46592	47174	47755	48336	48917	76417
7473	.49498	50079	50661	51242	51823	52404	52985	53566	54147	54728	76417
7474	.55309	55890	56421	57053	57634	58215	58796	59377	59958	60538	76417
7475	.61119	61701	62282	62863	63444	64025	64606	65186	65767	66348	76417
7476	.66929	67510	68091	68672	69253	69834	70415	70996	71576	72157	76417
7477	.72738	73319	73899	74481	75061	75642	76223	76804	77385	77965	76417
7478	.78546	79127	79708	80288	80869	81449	82031	82611	83192	83773	76417
7479	.84353	84934	85575	86095	86676	87257	87837	88418	88999	89579	76417
7480	.90159	90740	91321	91902	92482	93063	93643	94224	94804	95385	76341
7481	.95965	96546	97123	97707	98288	98868	99449	00029	00609	01189	76341
7482	874.01770	02351	02931	03512	04092	04673	05253	05833	06414	06994	76341
7483	.07575	08155	08735	09316	09896	10476	11057	11637	12217	12798	76341
7484	.13378	13958	14538	15119	15699	16279	16859	17439	18020	18600	76341
7485	.19180	19761	20341	20921	21501	22081	22662	23242	23822	24402	76341
7486	.24982	25562	26143	26723	27303	27883	28463	29043	29623	30203	76341
7487	.30783	31363	31943	32523	33104	33684	34264	34844	35424	36004	76341
7488	.36584	37164	37744	38324	38903	39483	40063	40643	41223	41803	76341
7489	.42383	42963	43543	44123	44703	45283	45863	46442	47022	47602	76341
7490	.48182	48762	49341	49921	50501	51081	51661	52240	52820	53399	76341
7491	.53979	54559	55139	55719	56299	56878	57458	58038	58618	59197	76341
7492	.59777	60357	60936	61516	62096	62675	63255	63834	64414	64994	76341
7493	.65573	66153	66732	67312	67892	68471	69051	69630	70209	70789	76267
7494	.71369	71948	72528	73107	73687	74266	74846	75425	76005	76584	76267
7495	.77164	77743	78323	78902	79481	80061	80640	81219	81799	82378	76267
7496	.82958	83537	84117	84696	85275	85855	86434	87013	87592	88172	76267
7497	.88751	89330	89909	90489	91068	91647	92227	92806	93385	93964	76267
7498	.94544	95123	95702	96281	96860	97439	98019	98598	99177	99756	76267
7499	875.00335	00914	01494	02073	02652	03231	03810	04389	04968	05547	76267

Chiliades centum Logarithmorum.

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7500	875.06126	06705	07284	07863	08443	09022	09601	10179	10759	11338	76267
7501	.11917	12496	13075	13653	14232	14811	15390	15969	16548	17127	76267
7502	.17706	18285	18864	19443	20022	20600	21179	21758	22337	22916	76267
7503	.23495	24073	24652	25231	25809	26389	26967	27546	28125	28704	76267
7504	.29283	29861	30440	31019	31597	32176	32755	33334	33912	34491	76267
7505	.35069	35648	36227	36806	37384	37963	38542	39120	39699	40277	76267
7506	.40856	41435	42013	42592	43170	43749	44327	44906	45485	46063	76192
7507	.46642	47220	47799	48377	48956	49534	50113	50691	51269	51848	76192
7508	.52426	53005	53583	54162	54740	55319	55897	56475	57054	57632	76192
7509	.58210	58789	59367	59945	60524	61102	61680	62259	62837	63415	76192
7510	.63994	64572	65150	65729	66307	66886	67463	68042	68619	69198	76192
7511	.69776	70354	70933	71511	72089	72667	73245	73823	74402	74979	76192
7512	.75558	76136	76714	77292	77870	78449	79027	79605	80183	80761	76192
7513	.81339	81917	82495	83073	83651	84229	84807	85385	85963	86541	76192
7514	.87119	87697	88275	88853	89431	90009	90587	91165	91743	92321	76192
7515	.92898	93476	94054	94632	95210	95788	96366	96944	97521	98099	76192
7516	.98677	99255	99833	00411	00988	01566	02144	02722	03299	03877	76192
7517	876.04455	05033	05611	06188	06766	07344	07921	08499	09077	09654	76192
7518	.10232	10809	11387	11965	12543	13120	13698	14276	14853	15431	76192
7519	.16008	16586	17164	17741	18319	18896	19474	20051	20629	21207	76117
7520	.21784	22362	22939	23517	24094	24672	25249	25827	26404	26981	76117
7521	.27559	28136	28714	29291	29869	30446	31023	31601	32178	32756	76117
7522	.33333	33910	34488	35065	35642	36219	36797	37374	37952	38529	76117
7523	.39106	39683	40261	40838	41415	41993	42569	43147	43724	44301	76117
7524	.44879	45456	46033	46610	47187	47765	48342	48919	49496	50073	76117
7525	.50650	51228	51805	52382	52959	53536	54113	54690	55267	55844	76117
7526	.56421	56998	57576	58153	58729	59307	59884	60461	61038	61615	76117
7527	.62192	62769	63346	63923	64499	65076	65653	66230	66807	67384	76117
7528	.67961	68538	69115	69692	70269	70845	71422	71999	72576	73153	76117
7529	.73729	74307	74883	75460	76037	76614	77191	77767	78344	78921	76117
7530	.79498	80074	80651	81228	81805	82381	82958	83535	84111	84688	76117
7531	.85265	85841	86418	86995	87571	88148	88725	89301	89878	90455	76117
7532	.91031	91608	92184	92761	93337	93914	94491	95067	95644	96220	76042
7533	.96797	97373	97949	98526	99103	99679	00256	00832	01409	01985	76042
7534	877.02562	03138	03714	04291	04867	05444	06020	06597	07173	07749	76042
7535	.08326	08902	09478	10055	10631	11207	11784	12360	12936	13513	76042
7536	.14089	14665	15242	15818	16394	16970	17547	18123	18699	19275	76042
7537	.19852	20428	21004	21580	22156	22733	23309	23885	24461	25037	76042
7538	.25613	26189	26766	27342	27918	28494	29070	29646	30222	30798	76042
7539	.31374	31950	32526	33102	33679	34255	34831	35407	35983	36559	76042
7540	.37135	37711	38287	38863	39438	40014	40590	41166	41742	42318	76042
7541	.42894	43469	44046	44622	45198	45774	46349	46925	47501	48077	76042
7542	.48653	49229	49804	50380	50956	51532	52108	52683	53259	53835	76042
7543	.54411	54987	55563	56138	56714	57289	57865	58441	59017	59592	76042
7544	.60168	60744	61319	61895	62471	63046	63622	64198	64773	65349	76042
7545	.65924	66500	67076	67651	68227	68802	69378	69953	70529	71105	75966
7546	.71680	72256	72831	73407	73982	74558	75133	75709	76284	76859	75966
7547	.77435	78010	78586	79161	79737	80312	80888	81463	82038	82614	75966
7548	.83189	83765	84339	84915	85491	86066	86641	87217	87792	88367	75966
7549	.88943	89518	90093	90668	91244	91819	92394	92969	93545	94119	75966

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7550	877.94695	95270	95846	96421	96996	97571	98146	98722	99297	99872	75966
7551	878.00447	01022	01597	02172	02748	03323	03898	04473	05048	05623	75966
7552	.06198	06773	07348	07923	08498	09073	09648	10223	10798	11373	75966
7553	.11948	12523	13098	13673	14248	14823	15398	15973	16548	17123	75966
7554	.17698	18273	18848	19423	19998	20573	21147	21722	22297	22872	75966
7555	.23447	24022	24596	25171	25746	26321	26896	27471	28045	28620	75966
7556	.29195	29770	30344	30919	31494	32069	32643	33218	33793	34368	75966
7557	.34942	35517	36092	36666	37241	37816	38390	38965	39540	40114	75966
7558	.40689	41263	41838	42413	42987	43562	44136	44711	45285	45860	75891
7559	.46435	47009	47584	48158	48733	49307	49882	50456	51031	51605	75891
7560	.52180	52754	53328	53903	54477	55052	55626	56201	56775	57349	75891
7561	.57924	58498	59073	59647	60221	60796	61370	61944	62519	63093	75891
7562	.63667	64242	64816	65390	65964	66539	67113	67687	68262	68836	75891
7563	.69410	69984	70559	71133	71707	72281	72855	73430	74004	74578	75891
7564	.75152	75726	76300	76874	77449	78023	78597	79171	79745	80319	75891
7565	.80893	81467	82041	82615	83189	83764	84338	84912	85486	86059	75891
7566	.86634	87208	87782	88356	88929	89504	90078	90652	91226	91799	75891
7567	.92373	92947	93521	94095	94669	95243	95817	96391	96965	97538	75891
7568	.98112	98686	99260	99834	00408	00982	01555	02129	02703	03277	75891
7569	879.03851	04424	04998	05572	06146	06719	07293	07867	08441	09014	75891
7570	.09588	10162	10735	11309	11883	12456	13030	13604	14177	14751	75891
7571	.15325	15898	16472	17045	17619	18193	18766	19339	19913	20487	75891
7572	.21061	21634	22208	22781	23355	23928	24502	25075	25649	26222	75815
7573	.26796	27369	27943	28516	29089	29663	30236	30809	31383	31957	75815
7574	.32530	33103	33677	34250	34824	35397	35970	36544	37117	37690	75815
7575	.38264	38837	39410	39984	40557	41130	41704	42277	42850	43423	75815
7576	.43997	44570	45143	45716	46290	46863	47436	48009	48582	49156	75815
7577	.49729	50302	50875	51448	52021	52595	53168	53741	54314	54887	75815
7578	.55460	56033	56606	57179	57752	58325	58899	59472	60045	60618	75815
7579	.61191	61764	62337	62910	63483	64056	64629	65202	65775	66348	75815
7580	.66921	67494	68066	68639	69212	69785	70358	70931	71504	72077	75815
7581	.72649	73223	73795	74368	74941	75514	76087	76659	77232	77805	75815
7582	.78378	78951	79524	80096	80669	81242	81815	82387	82960	83533	75815
7583	.84106	84678	85251	85824	86396	86969	87542	88114	88688	89260	75815
7584	.89832	90405	90978	91550	92123	92696	93268	93841	94413	94986	75815
7585	.95559	96131	96704	97276	97849	98421	98994	99566	00139	00711	75739
7586	880.01284	01856	02428	03001	03574	04146	04719	05291	05864	06436	75739
7587	.07008	07581	08153	08726	09298	09870	10443	11015	11588	12159	75739
7588	.12732	13305	13877	14449	15022	15594	16166	16738	17311	17883	75739
7589	.18455	19028	19599	20172	20744	21317	21889	22461	23033	23605	75739
7590	.24178	24749	25322	25894	26466	27038	27611	28183	28755	29327	75739
7591	.29899	30471	31043	31615	32188	32759	33332	33904	34476	35048	75739
7592	.35619	36192	36764	37336	37908	38480	39052	39624	40196	40768	75739
7593	.41339	41912	42484	43056	43628	44199	44772	45344	45915	46487	75739
7594	.47059	47631	48203	48775	49347	49919	50490	51062	51634	52206	75739
7595	.52778	53349	53921	54493	55065	55637	56209	56780	57352	57924	75739
7596	.58496	59067	59639	60211	60783	61354	61926	62498	63069	63641	75739
7597	.64213	64784	65356	65928	66499	67071	67643	68214	68786	69357	75739
7598	.69929	70501	71072	71644	72215	72787	73358	73928	74501	75073	75663
7599	.75644	76216	76787	77359	77930	78502	79073	79641	80216	80788	75663

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7601	.87073	87645	88216	88787	89359	89930	90501	91073	91644	92215	75663
7602	.92787	93358	93929	94500	95072	95643	96214	96785	97357	97928	75663
7603	.98499	99070	99641	00213	00784	01355	01926	02497	03068	03640	75663
7604	881.04211	04782	05353	05924	06495	07066	07638	08209	08780	09351	75663
7605	.09922	10493	11064	11635	12206	12777	13348	13919	14490	15061	75663
7606	.15632	16203	16774	17345	17916	18487	19058	19629	20199	20771	75663
7607	.21342	21913	22483	23054	23625	24196	24767	25338	25909	26479	75663
7608	.27050	27621	28192	28763	29334	29905	30475	31046	31617	32188	75663
7609	.32758	33329	33900	34471	35041	35612	36183	36754	37324	37895	75663
7610	.38466	39036	39607	40178	40748	41319	41889	42460	43031	43602	75663
7611	.44172	44743	45313	45884	46455	47025	47596	48166	48737	49307	75587
7612	.49878	50449	51019	51589	52160	52731	53301	53872	54442	55013	75587
7613	.55583	56153	56724	57294	57865	58435	59006	59576	60146	60717	75587
7614	.61287	61858	62428	62998	63569	64139	64709	65280	65850	66420	75587
7615	.66991	67561	68131	68702	69272	69842	70413	70983	71553	72123	75587
7616	.72694	73264	73834	74404	74974	75545	76115	76685	77255	77825	75587
7617	.78396	78966	79536	80106	80676	81246	81816	82387	82957	83527	75587
7618	.84097	84667	85237	85807	86377	86947	87517	88087	88657	89227	75587
7619	.89797	90367	90937	91507	92077	92647	93217	93787	94357	94927	75587
7620	.95497	96067	96637	97207	97777	98347	98917	99487	00056	00626	75587
7621	882.01196	01766	02336	02906	03476	04045	04615	05185	05755	06325	75587
7622	.06894	07464	08034	08604	09174	09743	10313	10883	11453	12022	75587
7623	.12592	13162	13731	14301	14871	15440	16010	16579	17149	17719	75587
7624	.18289	18858	19428	19998	20567	21137	21706	22276	22846	23415	75587
7625	.23985	24554	25124	25693	26263	26833	27402	27972	28541	29111	75511
7626	.29680	30249	30819	31389	31958	32527	33097	33666	34236	34805	75511
7627	.35375	35944	36513	37083	37652	38222	38791	39360	39929	40499	75511
7628	.41068	41638	42207	42776	43346	43915	44484	45054	45623	46192	75511
7629	.46761	47331	47900	48469	49039	49608	50177	50746	51315	51885	75511
7630	.52454	53023	53592	54161	54731	55299	55869	56438	57007	57576	75511
7631	.58145	58714	59284	59853	60422	60991	61559	62129	62698	63267	75511
7632	.63836	64405	64974	65543	66112	66681	67250	67819	68388	68957	75511
7633	.69526	70095	70664	71233	71802	72371	72939	73509	74078	74647	75511
7634	.75216	75784	76353	76922	77491	78059	78629	79198	79766	80335	75511
7635	.80904	81473	82042	82611	83179	83748	84317	84886	85454	86023	75511
7636	.86592	87161	87729	88298	88867	89436	90004	90573	91142	91710	75511
7637	.92279	92848	93416	93985	94554	95122	95691	96260	96828	97397	75511
7638	.97965	98534	99103	99671	00239	00808	01377	01945	02514	03082	75434
7639	883.03651	04219	04788	05357	05925	06494	07062	07630	08199	08767	75434
7640	.09336	09904	10473	11041	11609	12178	12746	13315	13883	14452	75434
7641	.15019	15583	16157	16725	17293	17862	18430	18998	19567	20135	75434
7642	.20703	21272	21839	22408	22976	23545	24113	24681	25249	25818	75434
7643	.26386	26954	27522	28091	28659	29227	29795	30363	30932	31499	75434
7644	.32068	32636	33204	33772	34340	34909	35477	36045	36613	37181	75434
7645	.37749	38317	38885	39453	40021	40589	41157	41725	42293	42861	75434
7646	.43429	43997	44565	45133	45701	46269	46837	47405	47973	48541	75434
7647	.49109	49677	50245	50813	51381	51949	52516	53084	53652	54220	75434
7648	.54788	55356	55924	56491	57059	57627	58195	58763	59331	59898	75434
7649	.60466	61034	61602	62169	62737	63305	63873	64440	65008	65576	75434

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D 2
7650	883.66144	66711	67279	67847	68414	68982	69550	70117	70685	71253	75434
7651	.71820	72388	72955	73523	74091	74658	75226	75793	76361	76929	75358
7652	.77496	78064	78631	79199	79766	80334	80901	81469	82036	82604	75358
7653	.83171	83739	84306	84874	85441	86009	86576	87144	87711	88278	75358
7654	.88846	89413	89981	90548	91115	91683	92250	92817	93385	93952	75358
7655	.94520	95087	95654	96221	96789	97356	97923	98491	99058	99625	75358
7656	884.00192	00760	01327	01894	02461	03029	03596	04163	04730	05298	75358
7657	.05865	06432	06999	07566	08133	08701	09268	09835	10402	10969	75358
7658	.11536	12103	12670	13238	13805	14372	14939	15506	16073	16640	75358
7659	.17207	17774	18341	18908	19475	20042	20609	21176	21743	22310	75358
7660	.22877	23444	24011	24578	25145	25712	26279	26846	27412	27979	75358
7661	.28546	29113	29680	30247	30814	31381	31947	32514	33081	33648	75358
7662	.34215	34782	35348	35915	36482	37049	37616	38182	38749	39316	75358
7663	.39883	40449	41016	41583	42149	42716	43283	43850	44416	44983	75358
7664	.45550	46116	46683	47250	47816	48383	48949	49516	50083	50649	75358
7665	.51216	51783	52349	52916	53482	54049	54615	55182	55748	56315	75281
7666	.56881	57448	58015	58581	59148	59714	60280	60847	61413	61980	75281
7667	.62546	63113	63679	64246	64812	65378	65945	66511	67078	67644	75281
7668	.68210	68777	69343	69910	70476	71042	71609	72175	72741	73307	75281
7669	.73874	74440	75006	75573	76139	76705	77271	77838	78404	78970	75281
7670	.79536	80103	80669	81235	81801	82367	82934	83500	84066	84632	75281
7671	.85198	85764	86331	86897	87463	88029	88595	89161	89727	90293	75281
7672	.90859	91425	91992	92558	93124	93690	94256	94822	95388	95954	75281
7673	.96520	97086	97652	98218	98784	99350	99916	00482	01048	01614	75281
7674	885.02179	02745	03311	03877	04443	05009	05574	06141	06707	07273	75281
7675	.07838	08404	08970	09536	10102	10668	11233	11799	12365	12931	75281
7676	.13497	14062	14628	15194	15760	16325	16891	17457	18023	18588	75281
7677	.19154	19720	20285	20851	21417	21983	22548	23114	23679	24245	75281
7678	.24811	25376	25942	26508	27073	27639	28204	28770	29336	29901	75204
7679	.30467	31032	31598	32163	32729	33294	33860	34426	34991	35557	75204
7680	.36122	36687	37253	37818	38384	38949	39515	40080	40646	41211	75204
7681	.41777	42342	42907	43473	44038	44603	45169	45734	46300	46865	75204
7682	.47430	47996	48561	49126	49692	50257	50822	51387	51953	52518	75204
7683	.53083	53649	54214	54779	55344	55910	56475	57040	57605	58170	75204
7684	.58736	59301	59866	60431	60996	61561	62127	62692	63257	63822	75204
7685	.64387	64952	65517	66083	66648	67213	67778	68343	68908	69473	75204
7686	.70038	70603	71168	71733	72298	72863	73428	73993	74558	75123	75204
7687	.75688	76253	76818	77383	77948	78513	79078	79643	80208	80773	75204
7688	.81337	81902	82467	83032	83597	84162	84727	85292	85856	86421	75204
7689	.86986	87551	88116	88681	89245	89810	90375	90940	91504	92069	75204
7690	.92634	93199	93763	94328	94893	95458	96022	96587	97152	97716	75204
7691	.98281	98846	99410	99975	00540	01104	01669	02234	02798	03363	75204
7692	886.03928	04492	05057	05621	06186	06750	07315	07880	08444	09009	75127
7693	.09573	10138	10702	11267	11831	12396	12960	13525	14089	14654	75127
7694	.15218	15783	16347	16912	17476	18040	18605	19169	19734	20298	75127
7695	.20862	21427	21991	22555	23120	23684	24249	24813	25377	25942	75127
7696	.26506	27070	27635	28199	28763	29327	29892	30456	31020	31584	75127
7697	.32149	32713	33277	33841	34406	34970	35534	36098	36662	37227	75127
7698	.37791	38355	38919	39483	40047	40611	41176	41740	42304	42868	75127
7699	.43432	43996	44560	45124	45688	46252	46816	47380	47944	48508	75127

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7700	886.49073	49637	50201	50765	51329	51893	52457	53020	53584	54148	75127
7701	.54713	55276	55840	56404	56968	57532	58096	58659	59224	59788	75127
7702	.60351	60915	61479	62043	62607	63171	63735	64298	64862	65426	75127
7703	.65989	66554	67117	67681	68245	68809	69372	69936	70499	71064	75127
7704	.71627	72191	72755	73319	73882	74446	75009	75573	76137	76701	75127
7705	.77264	77828	78392	78955	79519	80082	80646	81207	81773	82337	75127
7706	.82900	83464	84028	84591	85155	85718	86282	86845	87409	87972	75050
7707	.88536	89099	89663	90226	90789	91353	91917	92480	93044	93607	75050
7708	.94171	94734	95297	95861	96424	96988	97551	98114	98678	99241	75050
7709	.99805	00368	00931	01495	02058	02621	03185	03748	04311	04875	75050
7710	887.05438	06001	06564	07128	07691	08254	08817	09381	09944	10507	75050
7711	.11070	11634	12197	12759	13323	13886	14449	15013	15576	16139	75050
7712	.16702	17265	17828	18391	18955	19518	20081	20644	21207	21770	75050
7713	.22333	22896	23459	24022	24585	25148	25711	26274	26837	27400	75050
7714	.27963	28526	29089	29652	30215	30778	31341	31904	32467	33030	75050
7715	.33593	34156	34719	35282	35845	36408	36970	37533	38096	38659	75050
7716	.39222	39785	40348	40910	41473	42036	42599	43162	43724	44287	75050
7717	.44850	45413	45976	46538	47101	47664	48227	48789	49352	49915	75050
7718	.50477	51040	51603	52166	52728	53291	53854	54416	54979	55541	75050
7719	.56104	56667	57229	57792	58355	58917	59479	60042	60605	61167	75050
7720	.61730	62293	62855	63418	63980	64543	65105	65668	66230	66793	74973
7721	.67355	67918	68480	69043	69605	70168	70730	71292	71855	72417	74973
7722	.72979	73542	74105	74667	75229	75792	76354	76916	77479	78041	74973
7723	.78603	79166	79728	80290	80853	81415	81977	82539	83102	83664	74973
7724	.84227	84789	85351	85913	86476	87038	87599	88162	88724	89287	74973
7725	.89849	90411	90973	91535	92098	92659	93222	93784	94346	94908	74973
7726	.95470	96033	96595	97157	97719	98281	98843	99405	99967	00529	74973
7727	888.01091	01653	02215	02777	03339	03901	04463	05026	05587	06149	74973
7728	.06711	07273	07835	08397	08959	09521	10083	10645	11207	11769	74973
7729	.12331	12893	13455	14016	14578	15140	15702	16264	16826	17388	74973
7730	.17949	18511	19073	19635	20197	20758	21320	21882	22444	23006	74973
7731	.23567	24129	24691	25253	25814	26376	26938	27499	28061	28623	74973
7732	.29185	29746	30308	30869	31431	31993	32555	33116	33678	34239	74973
7733	.34801	35363	35924	36486	37047	37609	38171	38732	39294	39855	74896
7734	.40417	40978	41539	42101	42663	43224	43786	44347	44909	45470	74896
7735	.46032	46593	47155	47716	48278	48839	49400	49962	50523	51085	74896
7736	.51646	52208	52769	53330	53892	54453	55014	55576	56137	56698	74896
7737	.57259	57821	58382	58944	59505	60066	60627	61189	61750	62311	74896
7738	.62873	63434	63995	64556	65117	65679	66239	66801	67362	67923	74896
7739	.68485	69046	69607	70168	70729	71290	71852	72413	72973	73535	74896
7740	.74096	74657	75218	75779	76340	76902	77463	78024	78585	79146	74896
7741	.79707	80268	80829	81389	81951	82512	83073	83634	84195	84756	74896
7742	.85317	85878	86439	86999	87560	88121	88682	89243	89804	90365	74896
7743	.90926	91487	92048	92609	93169	93730	94291	94852	95413	95974	74896
7744	.96534	97095	97656	98217	98778	99338	99899	00459	01021	01581	74896
7745	889.02142	02703	03264	03824	04385	04946	05507	06067	06628	07189	74896
7746	.07749	08309	08871	09431	09992	10553	11113	11674	12234	12795	74896
7747	.13356	13916	14477	15037	15598	16158	16719	17279	17840	18401	74818
7748	.18961	19522	20082	20643	21203	21764	22324	22885	23445	24006	74818
7749	.24566	25127	25687	26247	26808	27368	27929	28489	29049	29609	74818

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7750	889.30170	30730	31291	31851	32412	32972	33532	34093	34653	35213	74818
7751	·35774	36334	36894	37455	38015	38575	39135	39696	40256	40816	74818
7752	·41376	41937	42497	43057	43617	44177	44738	45298	45858	46418	74818
7753	·46978	47539	48099	48659	49219	49779	50339	50899	51459	52019	74818
7754	·52579	53139	53699	54259	54819	55380	55940	56500	57060	57620	74818
7755	·58180	58740	59300	59860	60420	60980	61540	62100	62660	63220	74818
7756	·63780	64339	64899	65459	66019	66579	67139	67699	68259	68819	74818
7757	·69379	69939	70499	71059	71619	72178	72738	73298	73858	74418	74818
7758	·74978	75537	76097	76657	77217	77776	78336	78896	79456	80015	74818
7759	·80575	81135	81695	82254	82814	83374	83933	84493	85053	85612	74818
7760	·86172	86732	87291	87851	88410	88970	89529	90089	90649	91209	74741
7761	·91768	92328	92888	93448	94007	94566	95126	95685	96245	96804	74741
7762	·97364	97923	98483	99042	99602	00161	00721	01280	01839	02399	74741
7763	890.02959	03518	04077	04637	05196	05756	06315	06875	07434	07993	74741
7764	·08553	09112	09671	10231	10790	11349	11909	12468	13027	13587	74741
7765	·14146	14705	15265	15824	16383	16942	17502	18061	18620	19179	74741
7766	·19739	20298	20457	21416	21975	22535	23094	23653	24212	24771	74741
7767	·25331	25889	26449	27008	27567	28126	28685	29244	29804	30363	74741
7768	·30922	31481	32039	32599	33158	33717	34276	34835	35394	35953	74741
7769	·36512	37071	37630	38189	38748	39307	39866	40425	40984	41543	74741
7770	·42102	42661	43219	43779	44338	44896	45455	46014	46573	47132	74741
7771	·47691	48249	48809	49367	49926	50485	51044	51603	52162	52720	74741
7772	·53279	53838	54397	54956	55514	56073	56632	57191	57749	58308	74741
7773	·58867	59425	59984	60543	61102	61660	62219	62778	63336	63895	74741
7774	·64454	65012	65571	66129	66688	67247	67805	68364	68923	69481	74741
7775	·70039	70598	71157	71715	72274	72833	73391	73949	74508	75067	74663
7776	·75625	76184	76742	77301	77859	78418	78976	79535	80093	80651	74663
7777	·81209	81768	82327	82885	83444	84002	84560	85119	85677	86236	74663
7778	·86794	87352	87911	88469	89027	89586	90144	90702	91261	91819	74663
7779	·92377	92935	93494	94052	94610	95169	95727	96285	96843	97401	74663
7780	·97959	98518	99076	99634	00193	00751	01309	01863	02425	02983	74663
7781	891.03542	04099	04658	05216	05774	06332	06890	07448	08006	08565	74663
7782	·09123	09681	10239	10797	11355	11913	12471	13029	13587	14146	74663
7783	·14703	15261	15819	16377	16935	17493	18051	18609	19167	19725	74663
7784	·20283	20841	21399	21956	22514	23072	23630	24188	24746	25304	74663
7785	·25862	26419	26977	27535	28093	28651	29209	29767	30324	30882	74663
7786	·31439	31998	32556	33113	33671	34229	34787	35344	35902	36459	74663
7787	·37017	37575	38133	38691	39248	39806	40364	40921	41479	42037	74663
7788	·42594	43152	43709	44267	44825	45382	45940	46498	47055	47613	74663
7789	·48170	48728	49286	49843	50401	50958	51516	52073	52631	53188	74585
7790	·53746	54303	54861	55418	55976	56533	57091	57648	58206	58763	74585
7791	·59320	59878	60435	60993	61550	62108	62665	63222	63779	64337	74585
7792	·64894	65452	66009	66566	67124	67681	68238	68796	69353	69910	74585
7793	·70468	71025	71582	72139	72697	73254	73811	74368	74926	75483	74585
7794	·76040	76597	77155	77712	78269	78826	79383	79940	80498	81055	74585
7795	·81612	82169	82726	83283	83840	84398	84955	85512	86069	86626	74585
7796	·87183	87740	88297	88854	89411	89968	90525	91082	91639	92196	74585
7797	·92753	93310	93867	94424	94981	95538	96095	96652	97209	97766	74585
7798	·98323	98880	99437	99994	00551	01108	01665	02221	02778	03335	74585
7799	892.03892	04449	05006	05563	06119	06676	07233	07789	08347	08903	74585

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Num	0	1	2	3	4	5	6	7	8	9	Lo.D. 2
7800	892.09460	10017	10574	11313	11687	12244	12801	13358	13914	14471	74585
7801	.15028	15585	16141	16698	17255	17811	18368	18925	19481	20038	74585
7802	.20595	21151	21708	22265	22821	23378	23934	24491	25044	25604	74585
7803	.26161	26717	27274	27830	28387	28943	29500	30057	30613	31169	74507
7804	.31726	32283	32839	33396	33952	34508	35065	35621	36178	36734	74507
7805	.37291	37847	38404	38960	39516	40073	40629	41186	41742	42298	74507
7806	.42855	43411	43967	44524	45080	45636	46193	46749	47305	47862	74507
7807	.48418	48974	49531	50087	50643	51199	51756	52312	52868	53424	74507
7808	.53980	54537	55093	55649	56205	56761	57318	57874	58429	58986	74507
7809	.59542	60098	60655	61211	61767	62323	62879	63435	63991	64547	74507
7810	.65103	65659	66216	66772	67328	67884	68439	68996	69552	70108	74507
7811	.70664	71219	71776	72332	72888	73444	73999	74556	75112	75668	74507
7812	.76223	76779	77335	77891	78447	79003	79559	80115	80671	81227	74507
7813	.81782	82338	82894	83449	84006	84562	85117	85673	86229	86785	74507
7814	.87341	87896	88452	89008	89564	90119	90675	91231	91787	92343	74507
7815	.92898	93454	94009	94565	95121	95677	96232	96788	97344	97899	74507
7816	.98455	99011	99566	00122	00678	01233	01789	02344	02900	03456	74507
7817	893.04011	04567	05122	05678	06233	06789	07345	07900	08456	09011	74429
7818	.09567	10122	10678	11233	11789	12344	12899	13455	14010	14566	74429
7819	.15121	15677	16232	16788	17343	17898	18454	19009	19565	20119	74429
7820	.20675	21231	21786	22341	22897	23452	24007	24563	25118	25673	74429
7821	.26229	26784	27339	27894	28449	29005	29560	30115	30671	31226	74429
7822	.31781	32336	32892	33447	34002	34557	35112	35668	36223	36778	74429
7823	.37333	37888	38443	38998	39554	40109	40664	41219	41774	42329	74429
7824	.42884	43439	43994	44549	45104	45659	46215	46769	47325	47879	74429
7825	.48435	48989	49545	50099	50655	51209	51765	52319	52874	53429	74429
7826	.53984	54539	55094	55649	56204	56759	57314	57869	58424	58979	74429
7827	.59533	60088	60643	61198	61753	62308	62862	63417	63972	64527	74429
7828	.65082	65636	66191	66746	67301	67856	68410	68965	69519	70075	74429
7829	.70629	71184	71739	72293	72848	73403	73958	74512	75067	75622	74429
7830	.76176	76731	77286	77840	78395	78949	79504	80059	80613	81168	74429
7831	.81722	82277	82832	83386	83941	84495	85049	85604	86159	86713	74350
7832	.87268	87822	88377	88931	89486	90040	90595	91149	91704	92258	74350
7833	.92813	93367	93922	94476	95030	95585	96139	96694	97248	97802	74350
7834	.98357	98911	99465	00019	00574	01128	01683	02237	02791	03346	74350
7835	894.03900	04454	05009	05563	06117	06671	07226	07780	08334	08889	74350
7836	.09443	09997	10551	11105	11659	12214	12768	13322	13876	14431	74350
7837	.14985	15539	16093	16647	17201	17755	18309	18864	19418	19972	74350
7838	.20526	21080	21634	22188	22742	23296	23850	24404	24958	25512	74350
7839	.26066	26620	27174	27728	28282	28836	29390	29944	30498	31052	74350
7840	.31606	32160	32714	33268	33822	34376	34929	35484	36038	36592	74350
7841	.37145	37699	38253	38807	39361	39915	40469	41022	41576	42129	74350
7842	.42684	43238	43791	44345	44899	45453	46007	46560	47114	47668	74350
7843	.48222	48775	49329	49883	50436	50990	51544	52097	52651	53205	74350
7844	.53759	54312	54866	55419	55973	56527	57080	57634	58188	58741	74350
7845	.59295	59848	60402	60956	61509	62063	62616	63169	63723	64277	74272
7846	.64830	65384	65937	66491	67044	67598	68151	68705	69258	69812	74272
7847	.70365	70919	71472	72026	72579	73132	73686	74239	74793	75346	74272
7848	.75899	76453	77006	77559	78113	77666	79219	79773	80326	80879	74272
7849	.81433	81986	82539	83093	83646	84199	84753	85306	85859	86412	74272

Chiliades centum Logarithmorum.

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D. 2
7850	894·86966	87519	88072	88625	89179	89732	90285	90838	91391	91945	74272
7851	·92498	93051	93604	94157	94710	95264	95817	96369	96923	97476	74272
7852	·98029	98583	99135	99688	00241	00795	01348	01901	02454	03007	74272
7853	895·03559	04113	04666	05219	05772	06325	06878	07431	07984	08537	74272
7854	·09089	09643	10196	10749	11301	11854	12407	12960	13513	14066	74272
7855	·14619	15172	15725	16278	16830	17383	17936	18489	19042	19595	74272
7856	·20147	20700	21253	21806	22359	22911	23464	24017	24569	25123	74272
7857	·25675	26228	26781	27334	27886	28439	28992	29544	30097	30649	74272
7858	·31202	31755	32308	32860	33413	33966	34518	35071	35624	36176	74272
7859	·36729	37281	37834	38387	38939	39492	40044	40597	41149	41702	74193
7860	·42255	42807	43359	43912	44465	45017	45569	46122	46675	47227	74193
7861	·47779	48332	48885	49437	49989	50542	51094	51647	52199	52752	74193
7862	·53304	53856	54409	54961	55513	56066	56618	57171	57723	58275	74193
7863	·58828	59379	59932	60485	61037	61589	62141	62694	63246	63798	74193
7864	·64350	64903	65455	66007	66559	67112	67664	68216	68768	69321	74193
7865	·69873	70425	70977	71529	72081	72634	73186	73738	74289	74842	74193
7866	·75394	75946	76498	77051	77603	78155	78707	79259	79811	80363	74193
7867	·80915	81467	82019	82571	83123	83675	84227	84779	85331	85883	74193
7868	·86435	86987	87539	88091	88643	89195	89747	90299	90851	91403	74193
7869	·91955	92506	93058	93610	94162	94714	95266	95818	96369	96921	74193
7870	·97483	98025	98577	99129	99681	00232	00784	01336	01888	02439	74193
7871	896·02991	03543	04095	04647	05198	05749	06302	06853	07405	07957	74193
7872	·08509	09060	09612	10164	10715	11267	11819	12370	12922	13474	74193
7873	·14025	14577	15128	15679	16232	16783	17335	17886	18438	18989	74193
7874	·19541	20093	20644	21196	21747	22299	22850	23402	23953	24505	74115
7875	·25056	25608	26159	26711	27262	27814	28365	28916	29468	30019	74115
7876	·30571	31122	31674	32225	32776	33328	33879	34430	34982	35533	74115
7877	·36085	36636	37187	37739	38289	38841	39392	39944	40495	41046	74115
7878	·41598	42149	42700	43251	43803	44354	44905	45456	46008	46559	74115
7879	·47110	47661	48212	48764	49315	49866	50417	50968	51519	52071	74115
7880	·52622	53173	53724	54275	54826	55377	55928	56479	57031	57582	74115
7881	·58133	58684	59235	59786	60337	60888	61439	61990	62541	63092	74115
7882	·63643	64194	64745	65296	65847	66398	66949	67499	68051	68602	74115
7883	·69153	69704	70254	70805	71356	71907	72458	73009	73559	74111	74115
7884	·74662	75212	75763	76314	76865	77416	77967	78517	79068	79619	74115
7885	·80169	80721	81271	81822	82373	82924	83474	84025	84576	85127	74115
7886	·85677	86228	86779	87329	87880	88431	88981	89532	90083	90633	74115
7887	·91184	91735	92285	92836	93387	93937	94489	95038	95589	96139	74115
7888	·96690	97241	97791	98342	98892	99443	99994	00544	01095	01645	74036
7889	897·02196	02746	03297	03847	04398	04948	05499	06049	06599	07149	74036
7890	·07700	08251	08801	09352	09902	10452	11003	11553	12104	12654	74036
7891	·13204	13755	14305	14855	15406	15956	16506	17057	17607	18157	74036
7892	·18708	19258	19808	20359	20909	21459	22009	22559	23109	23660	74036
7893	·24210	24761	25311	25861	26411	26961	27512	28062	28612	29162	74036
7894	·29712	30262	30813	31363	31913	32463	33013	33563	34113	34663	74036
7895	·35213	35764	36314	36864	37414	37964	38514	39064	39614	40164	74036
7896	·40714	41264	41814	42364	42914	43464	44014	44564	45114	45664	74036
7897	·46214	46764	47314	47864	48414	48963	49513	50063	50613	51163	74036
7898	·51713	52263	52813	53363	53912	54462	55012	55562	56112	56662	74036
7899	·57211	57761	58311	58861	59411	59960	60510	61059	61609	62159	74036

Num	0	1	2	3	4	5	6	7	8	9	Lo. D 2
7900	897.62709	63259	63809	64358	64908	65458	66007	66557	67107	67657	74036
7901	.68206	68756	69306	69855	70405	70954	71504	72054	72603	73153	74036
7902	.73703	74252	74802	75351	75901	76450	77000	77550	78099	78649	73957
7903	.79198	79748	80297	80847	81396	81946	82495	83045	83594	84144	73957
7904	.84693	85243	85792	86342	86891	87440	87990	88539	89089	89638	73957
7905	.90187	90737	91286	91836	92385	92934	93484	94033	94582	95132	73957
7906	.95681	96230	96780	97329	97878	98428	98977	99526	00075	00625	73957
7907	898.01174	01723	02272	02822	03371	03920	04469	05018	05568	06117	73957
7908	.06666	07215	07764	08314	08863	09412	09961	10510	11059	11608	73957
7909	.12158	12707	13256	13805	14354	14903	15452	16001	16550	17099	73957
7910	.17648	18197	18746	19295	19844	20393	20942	21491	22040	22589	73957
7911	.23138	23687	24236	24785	25334	25883	26432	26981	27530	28079	73957
7912	.28628	29177	29726	30275	30823	31372	31921	32470	33019	33568	73957
7913	.34117	34665	35214	35763	36312	36861	37409	37958	38507	39056	73957
7914	.39605	40153	40702	41251	41799	42348	42897	43446	43995	44543	73957
7915	.45092	45641	46189	46738	47287	47835	48384	48933	49481	50029	73957
7916	.50579	51127	51676	52224	52773	53322	53870	54419	54967	55516	73957
7917	.56064	56613	57162	57710	58259	58807	59356	59904	60453	61001	73878
7918	.61549	62098	62647	63195	63744	64292	64841	65389	65937	66486	73878
7919	.67034	67583	68131	68680	69228	69776	70325	70873	71421	71970	73878
7920	.72518	73067	73615	74163	74712	75259	75808	76356	76905	77453	73878
7921	.78001	78549	79098	79646	80194	80743	81291	81839	82387	82936	73878
7922	.83484	84032	84580	85128	85677	86225	86773	87321	87869	88417	73878
7923	.88966	89514	90062	90609	91158	91706	92254	92802	93351	93899	73878
7924	.94447	94995	95543	96091	96639	97187	97735	98283	98831	99379	73878
7925	.99927	00475	01023	01571	02119	02667	03215	03763	04311	04859	73878
7926	899.05407	05955	06503	07051	07598	08146	08694	09242	09790	10338	73878
7927	.10886	11434	11982	12529	13077	13625	14173	14721	15269	15816	73878
7928	.16364	16912	17460	18008	18555	19103	19651	20199	20746	21294	73878
7929	.21842	22390	22937	23485	24033	24580	25128	25676	26223	26771	73878
7930	.27319	27866	28414	28962	29509	30057	30605	31152	31699	32247	73878
7931	.32795	33343	33890	34438	34985	35533	36080	36628	37176	37723	73798
7932	.38271	38818	39366	39913	40461	41008	41556	42103	42651	43198	73798
7933	.43745	44293	44840	45388	45935	46483	47030	47577	48125	48672	73798
7934	.49219	49767	50314	50862	51409	51956	52504	53051	53598	54146	73798
7935	.54693	55240	55788	56335	56882	57429	57977	58524	59071	59619	73798
7936	.60166	60713	61260	61808	62355	62902	63449	63996	64544	65091	73798
7937	.65638	66185	66732	67279	67827	68374	68921	69468	70015	70562	73798
7938	.71109	71657	72204	72751	73298	73845	74392	74939	75486	76033	73798
7939	.76580	77127	77674	78221	78768	79316	79863	80409	80956	81503	73798
7940	.82050	82597	83144	83691	84238	84785	85332	85879	86426	86973	73798
7941	.87519	88067	88613	89160	89707	90254	90801	91348	91895	92441	73798
7942	.92988	93535	94082	94628	95176	95722	96269	96816	97363	97909	73798
7943	.98456	99003	99549	00097	00643	01189	01737	02283	02830	03377	73798
7944	900.03924	04470	05017	05564	06110	06657	07204	07750	08297	08844	73798
7945	.09390	09937	10483	11030	11577	12123	12669	13216	13763	14309	73719
7946	.14856	15403	15949	16496	17042	17589	18135	18682	19228	19775	73719
7947	.20321	20868	21414	21961	22507	23054	23601	24147	24693	25239	73719
7948	.25786	26332	26879	27425	27971	28518	29064	29611	30157	30703	73719
7949	.31249	31796	32342	32889	33435	33981	34528	35074	35620	36167	73719

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D. 2
7950	900.36713	37259	37805	38352	38898	39444	39990	40537	41083	41629	73719
7951	.42175	42722	43268	43814	44360	44906	45453	45999	46545	47091	73719
7952	.47637	48183	48729	49276	49822	50368	50914	51460	52006	52552	73719
7953	.53098	53644	54190	54736	55283	55829	56375	56921	57467	58013	73719
7954	.58559	59105	59651	60197	60743	61289	61835	62381	62927	63472	73719
7955	.64018	64564	65110	65656	66202	66748	67294	67840	68386	68932	73719
7956	.69477	70023	70569	71115	71661	72207	72753	73298	73844	74390	73719
7957	.74936	75482	76027	76573	77119	77665	78210	78756	79302	79848	73719
7958	.80393	80939	81485	82031	82576	83122	83668	84213	84759	85305	73719
7959	.85850	86396	86942	87487	88033	88579	89124	89670	90216	90761	73719
7960	.91307	91852	92398	92944	93489	94035	94580	95126	95671	96217	73639
7961	.96762	97308	97853	98399	98944	99490	00035	00581	01126	01672	73639
7962	901.02217	02763	03308	03854	04399	04945	05490	06035	06581	07126	73639
7963	.07672	08217	08762	09308	09853	10398	10944	11489	12034	12580	73639
7964	.13125	13670	14216	14761	15306	15852	16397	16942	17487	18033	73639
7965	.18578	19123	19669	20214	20759	21304	21849	22395	22940	23485	73639
7966	.24030	24575	25121	25666	26211	26756	27301	27846	28391	28937	73639
7967	.29482	30027	30572	31117	31662	32207	32752	33297	33842	34387	73639
7968	.34933	35478	36023	36568	37113	37658	38203	38748	39293	39838	73639
7969	.40383	40928	41473	42018	42563	43108	43652	44197	44742	45287	73639
7970	.45832	46377	46921	47467	48012	48557	49101	49646	50191	50736	73639
7971	.51281	51826	52371	52915	53460	54005	54550	55095	55639	56184	73639
7972	.56729	57274	57819	58363	58908	59453	59997	60542	61087	61632	73639
7973	.62176	62721	63266	63811	64355	64900	65444	65989	66534	67078	73639
7974	.67623	68168	68712	69257	69802	70346	70891	71435	71980	72525	73639
7975	.73069	73614	74158	74703	75247	75792	76336	76881	77426	77970	73559
7976	.78515	79059	79604	80148	80692	81237	81781	82326	82870	83415	73559
7977	.83959	84504	85048	85592	86137	86681	87226	87770	88314	88859	73559
7978	.89403	89948	90492	91036	91581	92125	92669	93214	93758	94302	73559
7979	.94847	95391	95935	96479	97024	97568	98112	98656	99201	99745	73559
7980	902.00289	00833	01378	01922	02466	03010	03554	04099	04643	05187	73559
7981	.05731	06275	06819	07364	07908	08452	08996	09540	10084	10628	73559
7982	.11172	11716	12261	12805	13349	13893	14437	14981	15525	16069	73559
7983	.16613	17157	17701	18244	18789	19333	19877	20421	20965	21509	73559
7984	.22053	22597	23141	23685	24229	24773	25316	25860	26404	26948	73559
7985	.27492	28036	28580	29124	29668	30211	30755	31299	31843	32387	73559
7986	.32931	33474	34018	34562	35106	35650	36193	36737	37281	37825	73559
7987	.38368	38912	39456	40000	40543	41087	41631	42175	42718	43262	73559
7988	.43806	44349	44893	45437	45980	46524	47068	47611	48155	48699	73559
7989	.49242	49786	50329	50873	51417	51960	52504	53047	53591	54134	73479
7990	.54678	55221	55765	56309	56852	57396	57939	58483	59026	59570	73479
7991	.60113	60657	61200	61743	62287	62830	63374	63917	64461	65004	73479
7992	.65548	66091	66634	67178	67721	68264	68808	69351	69895	70438	73479
7993	.70981	71525	72068	72611	73155	73698	74241	74785	75328	75871	73479
7994	.76414	76958	77501	78044	78587	79131	79674	80217	80760	81304	73479
7995	.81847	82390	82933	83476	84020	84563	85106	85649	86192	86735	73479
7996	.87279	87822	88365	88908	89451	89994	90537	91080	91623	92167	73479
7997	.92710	93253	93796	94339	94882	95425	95968	96511	97054	97597	73479
7998	.98140	98683	99226	99769	00312	00855	01398	01941	02484	03027	73479
7999	.03570	04113	04656	05198	05741	06284	06827	07370	07913	08456	73479

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Num	0	1	2	3	4	5	6	7	8	9	Lo. D 2
8000	903.08999	09542	10084	10627	11170	11713	12256	12799	13341	13884	73479
8001	.14427	14970	15513	16055	16598	17141	17684	18226	18769	19312	73479
8002	.19855	20397	20940	21483	22026	22568	23111	23654	24196	24739	73479
8003	.25282	25824	26367	26910	27452	27995	28538	29080	29623	30165	73479
8004	.30708	31251	31793	32336	32878	33421	33963	34506	35049	35591	73399
8005	.36134	36676	37219	37761	38304	38846	39389	39931	40474	41016	73399
8006	.41559	42101	42643	43186	43728	44271	44813	45356	45898	46440	73399
8007	.46983	47525	48068	48610	49152	49695	50237	50779	51322	51864	73399
8008	.52406	52949	53491	54033	54576	55118	55660	56203	56745	57287	73399
8009	.57829	58372	58914	59456	59998	60541	61083	61625	62167	62709	73399
8010	.63252	63794	64336	64878	65420	65962	66505	67047	67589	68131	73399
8011	.68673	69215	69757	70300	70842	71384	71926	72468	73010	73552	73399
8012	.74094	74636	75178	75720	76262	76804	77346	77888	78430	78972	73399
8013	.79514	80056	80598	81140	81682	82224	82766	83308	83850	84392	73399
8014	.84934	85476	86018	86560	87101	87643	88185	88727	89269	89811	73399
8015	.90353	90895	91436	91978	92520	93062	93604	94145	94687	95229	73399
8016	.95771	96313	96854	97396	97938	98480	99021	99563	00105	00647	73399
8017	904.01188	01730	02272	02813	03355	03897	04439	04980	05522	06064	73399
8018	.06605	07147	07688	08230	08772	09313	09855	10397	10938	11480	73399
8019	.12021	12563	13105	13646	14188	14729	15271	15812	16354	16895	73319
8020	.17437	17978	18520	19061	19603	20144	20686	21228	21769	22310	73319
8021	.22852	23393	23925	24476	25017	25559	26100	26642	27183	27724	73319
8022	.28266	28807	29349	29890	30431	30973	31514	32055	32597	33138	73319
8023	.33679	34221	34762	35303	35844	36386	36927	37468	38010	38551	73319
8024	.39092	39633	40174	40716	41257	41798	42339	42881	43422	43963	73319
8025	.44504	45045	45586	46128	46669	47210	47751	48292	48833	49374	73319
8026	.49916	50457	50998	51539	52080	52621	53162	53703	54244	54785	73319
8027	.55326	55867	56408	56949	57490	58031	58572	59113	59654	60195	73319
8028	.60736	61277	61818	62359	62900	63441	63982	64523	65064	65605	73319
8029	.66146	66687	67228	67768	68309	68850	69391	69932	70473	71014	73319
8030	.71555	72095	72636	73177	73718	74259	74799	75340	75881	76422	73319
8031	.76963	77503	78044	78585	79126	79666	80207	80748	81289	81829	73319
8032	.82370	82911	83451	83992	84533	85073	85614	86155	86695	87236	73319
8033	.87777	88317	88858	89399	89939	90480	91020	91561	92102	92642	73319
8034	.93183	93723	94264	94804	95345	95886	96426	96967	97508	98048	73239
8035	.98588	99129	99669	00210	00750	01291	01831	02371	02912	03452	73239
8036	.03993	04533	05074	05614	06155	06695	07235	07776	08316	08856	73239
8037	905.09397	09937	10478	11018	11558	12099	12639	13179	13720	14260	73239
8038	.14800	15340	15881	16421	16961	17502	18042	18582	19122	19663	73239
8039	.20203	20743	21283	21824	22364	22904	23444	23984	24525	25065	73239
8040	.25605	26145	26685	27225	27765	28306	28846	29386	29926	30466	73239
8041	.31006	31546	32086	32626	33167	33707	34247	34787	35327	35867	73239
8042	.36407	36947	37487	38027	38567	39107	39647	40187	40727	41267	73239
8043	.41807	42347	42887	43427	43967	44507	45047	45586	46126	46666	73239
8044	.47206	47746	48286	48826	49366	49906	50445	50985	51525	52065	73239
8045	.52605	53145	53684	54224	54764	55304	55844	56384	56923	57463	73239
8046	.58003	58543	59082	59622	60162	60702	61241	61781	62321	62860	73239
8047	.63400	63940	64480	65019	65559	66099	66638	67178	67718	68257	73239
8048	.68797	69336	69876	70416	70955	71495	72034	72574	73114	73653	73239
8049	.74193	74732	75272	75811	76351	76890	77430	77970	78509	79049	73158

Chiliades centum Logarithmorum.

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D 2
8050	905.79588	80128	80667	81207	81746	82285	82825	83364	83904	84443	73158
8051	.84983	85522	86062	86601	87140	87680	88219	88759	89298	89837	73158
8052	.90377	90916	91455	91995	92534	93073	93613	94152	94691	95231	73158
8053	.95770	96309	96848	97388	97927	98466	99006	99545	00084	00623	73158
8054	906.01163	01702	02241	02780	03319	03859	04398	04937	05476	06015	73158
8055	.06554	07094	07633	08172	08311	09250	09789	10328	10868	11407	73158
8056	.11946	12485	13024	13563	14102	14641	15180	15719	16258	16797	73158
8057	.17336	17875	18414	18953	19492	20031	20570	21109	21648	22187	73158
8058	.22726	23265	23804	24343	24882	25421	25960	26499	27038	27577	73158
8059	.28116	28654	29193	29732	30271	30810	31349	31888	32427	32965	73158
8060	.33504	34043	34582	35121	35659	36198	36737	37276	37815	38353	73158
8061	.38892	39431	39970	40508	41047	41586	42125	42663	43202	43741	73158
8062	.44279	44818	45357	45895	46434	46973	47511	48050	48589	49127	73158
8063	.49666	50205	50743	51282	51820	52359	52898	53436	53975	54513	73158
8064	.55052	55590	56129	56668	57206	57745	58283	58822	59360	59899	73078
8065	.60437	60976	61514	62053	62591	63130	63668	64206	64745	65283	73078
8066	.65822	66360	66899	67437	67975	68514	69052	69591	70129	70667	73078
8067	.71206	71744	72282	72821	73359	73897	74436	74974	75512	76051	73078
8068	.76589	77127	77666	78204	78742	79280	79819	80357	80895	81433	73078
8069	.81972	82510	83048	83586	84124	84663	85201	85739	86277	86815	73078
8070	.87353	87892	88430	88968	89506	90044	90582	91120	91659	92197	73078
8071	.92735	93273	93811	94349	94887	95425	95963	96501	97039	97577	73078
8072	.98115	98653	99191	99729	00267	00805	01343	01881	02419	02957	73078
8073	907.03495	04033	04571	05109	05647	06185	06723	07261	07799	08337	73078
8074	.08875	09412	09950	10488	11026	11564	12102	12640	13177	13715	73078
8075	.14253	14791	15329	15867	16404	16942	17480	18018	18555	19093	73078
8076	.19631	20169	20707	21244	21782	22320	22857	23395	23933	24471	73078
8077	.25008	25546	26084	26621	27159	27697	28234	28772	29310	29847	73078
8078	.30385	30923	31460	31998	32535	33073	33611	34148	34686	35223	73078
8079	.35761	36298	36836	37373	37911	38449	38986	39524	40061	40599	72997
8080	.41136	41674	42211	42749	43286	43823	44361	44898	45436	45973	72997
8081	.46511	47048	47585	48123	48660	49198	49735	50273	50810	51347	72997
8082	.51885	52422	52959	53497	54034	54571	55109	55646	56183	56721	72997
8083	.57258	57795	58332	58870	59407	59944	60482	61018	61556	62093	72997
8084	.62630	63168	63705	64242	64779	65317	65854	66391	66928	67465	72997
8085	.68002	68540	69077	69614	70151	70688	71225	71762	72300	72837	72997
8086	.73374	73911	74448	74985	75522	76059	76596	77133	77670	78207	72997
8087	.78744	79281	79818	80355	80892	81429	81966	82503	83040	83577	72997
8088	.84114	84651	85188	85725	86262	86799	87336	87873	88410	88947	72997
8089	.89484	90020	90557	91094	91631	92168	92705	93242	93778	94315	72997
8090	.94852	95389	95926	96463	96999	97536	98073	98610	99147	99683	72997
8091	908.00220	00757	01294	01830	02367	02904	03441	03977	04514	05051	72997
8092	.05587	06124	06661	07197	07734	08271	08807	09344	09881	10417	72997
8093	.10954	11491	12027	12564	13101	13637	14174	14710	15247	15783	72997
8094	.16320	16857	17393	17929	18466	19003	19539	20076	20612	21149	72916
8095	.21685	22222	22758	23295	23831	24368	24904	25441	25977	26514	72916
8096	.27050	27586	28123	28659	29196	29732	30268	30805	31341	31878	72916
8097	.32414	32950	33487	34023	34559	35096	35632	36168	36705	37241	72916
8098	.37777	38314	38850	39386	39922	40459	40995	41531	42067	42604	72916
8099	.43140	43676	44212	44749	45285	45821	46357	46893	47430	47966	72916

Chiliades centum Logarithmorum.

Num	0	1	2	3	4	5	6	7	8	9	Lo. D 2
8000	903.08999	99542	10084	10627	11170	11713	12256	12799	13341	13884	73479
8001	.14427	14970	15513	16055	16598	17141	17684	18226	18769	19312	73479
8002	.19855	20397	20940	21483	22026	22568	23111	23654	24196	24739	73479
8003	.25282	25824	26367	26910	27452	27995	28538	29080	29623	30165	73479
8004	.30708	31251	31793	32336	32878	33421	33963	34506	35049	35591	73399
8005	.36134	36676	37219	37761	38304	38846	39389	39931	40474	41016	73399
8006	.41559	42101	42643	43186	43728	44271	44813	45356	45898	46440	73399
8007	.46983	47525	48068	48610	49152	49695	50237	50779	51322	51864	73399
8008	.52406	52949	53491	54033	54576	55118	55660	56203	56745	57287	73399
8009	.57829	58372	58914	59456	59998	60541	61083	61625	62167	62709	73399
8010	.63252	63794	64336	64878	65420	65962	66505	67047	67589	68131	73399
8011	.68673	69215	69757	70300	70842	71384	71926	72468	73010	73552	73399
8012	.74094	74636	75178	75720	76262	76804	77346	77888	78430	78972	73399
8013	.79514	80056	80598	81140	81682	82224	82766	83308	83850	84392	73399
8014	.84934	85476	86018	86560	87101	87643	88185	88727	89269	89811	73399
8015	.90353	90895	91436	91978	92520	93062	93604	94145	94687	95229	73399
8016	.95771	96313	96854	97396	97938	98480	99021	99563	00105	00647	73399
8017	904.01188	01730	02272	02813	03355	03897	04439	04980	05522	06064	73399
8018	.06605	07147	07688	08230	08772	09313	09855	10397	10938	11480	73399
8019	.12021	12563	13105	13646	14188	14729	15271	15812	16354	16895	73319
8020	.17437	17978	18520	19061	19603	20144	20686	21228	21769	22310	73319
8021	.22852	23393	23925	24476	25017	25559	26100	26642	27183	27724	73319
8022	.28266	28807	29349	29890	30431	30973	31514	32055	32597	33138	73319
8023	.33679	34221	34762	35303	35844	36386	36927	37468	38010	38551	73319
8024	.39092	39633	40174	40716	41257	41798	42339	42881	43422	43963	73319
8025	.44504	45045	45586	46128	46669	47210	47751	48292	48833	49374	73319
8026	.49916	50457	50998	51539	52080	52621	53162	53703	54244	54785	73319
8027	.55326	55867	56408	56949	57490	58031	58572	59113	59654	60195	73319
8028	.60736	61277	61818	62359	62900	63441	63982	64523	65064	65605	73319
8029	.66146	66687	67228	67768	68309	68850	69391	69932	70473	71014	73319
8030	.71555	72095	72636	73177	73718	74259	74799	75340	75881	76422	73319
8031	.76963	77503	78044	78585	79126	79666	80207	80748	81289	81829	73319
8032	.82370	82911	83451	83992	84533	85073	85614	86155	86695	87236	73319
8033	.87777	88317	88858	89399	89939	90480	91020	91561	92102	92642	73319
8034	.93183	93723	94264	94804	95345	95886	96426	96967	97508	98048	73239
8035	.98588	99129	99669	00210	00750	01291	01831	02371	02912	03452	73239
8036	.03993	04533	05074	05614	06155	06695	07235	07776	08316	08856	73239
8037	905.09397	09937	10478	11018	11558	12099	12639	13179	13720	14260	73239
8038	.14800	15340	15881	16421	16961	17502	18042	18582	19122	19663	73239
8039	.20203	20743	21283	21824	22364	22904	23444	23984	24525	25065	73239
8040	.25605	26145	26685	27225	27765	28306	28846	29386	29926	30466	73239
8041	.31006	31546	32086	32626	33167	33707	34247	34787	35327	35867	73239
8042	.36407	36947	37487	38027	38567	39107	39647	40187	40727	41267	73239
8043	.41807	42347	42887	43427	43967	44507	45047	45586	46126	46666	73239
8044	.47206	47746	48286	48826	49366	49906	50445	50985	51525	52065	73239
8045	.52605	53145	53684	54224	54764	55304	55844	56384	56923	57463	73239
8046	.58003	58543	59082	59622	60162	60702	61241	61781	62321	62860	73239
8047	.63400	63940	64480	65019	65559	66099	66638	67178	67718	68257	73239
8048	.68797	69336	69876	70416	70955	71495	72034	72574	73114	73653	73239
8049	.74193	74732	75272	75811	76351	76890	77430	77970	78509	79049	73158

Chiliades centum Logarithmorum.

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D 2
8050	905.79588	80128	80667	81207	81746	82285	82825	83364	83904	84443	73158
8051	.84983	85522	86062	86601	87140	87680	88219	88759	89298	89837	73158
8052	.90377	90916	91455	91995	92534	93073	93613	94152	94691	95231	73158
8053	.95770	96309	96848	97388	97927	98466	99006	99545	00084	00623	73158
8054	906.01163	01702	02241	02780	03319	03859	04398	04937	05476	06015	73158
8055	.06554	07094	07633	08172	08311	09250	09789	10328	10868	11407	73158
8056	.11946	12485	13024	13563	14102	14641	15180	15719	16258	16797	73158
8057	.17336	17875	18414	18953	19492	20031	20570	21109	21648	22187	73158
8058	.22726	23265	23804	24343	24882	25421	25960	26499	27038	27577	73158
8059	.28116	28654	29193	29732	30271	30810	31349	31888	32427	32965	73158
8060	.33504	34043	34582	35121	35659	36198	36737	37276	37815	38353	73158
8061	.38892	39431	39970	40508	41047	41586	42125	42663	43202	43741	73158
8062	.44279	44818	45357	45895	46434	46973	47511	48050	48589	49127	73158
8063	.49666	50205	50743	51282	51820	52359	52898	53436	53975	54513	73158
8064	.55052	55590	56129	56668	57206	57745	58283	58822	59360	59899	73078
8065	.60437	60976	61514	62053	62591	63130	63668	64206	64745	65283	73078
8066	.65822	66360	66899	67437	67975	68514	69052	69591	70129	70667	73078
8067	.71206	71744	72282	72821	73359	73897	74436	74974	75512	76051	73078
8068	.76589	77127	77666	78204	78742	79280	79819	80357	80895	81433	73078
8069	.81972	82510	83048	83586	84124	84663	85201	85739	86277	86815	73078
8070	.87353	87892	88430	88968	89506	90044	90582	91120	91659	92197	73078
8071	.92735	93273	93811	94349	94887	95425	95963	96501	97039	97577	73078
8072	.98115	98653	99191	99729	00267	00805	01343	01881	02419	02957	73078
8073	907.03495	04033	04571	05109	05647	06185	06723	07261	07799	08337	73078
8074	.08875	09412	09950	10488	11026	11564	12102	12640	13177	13715	73078
8075	.14253	14791	15329	15867	16404	16942	17480	18018	18555	19093	73078
8076	.19631	20169	20707	21244	21782	22320	22857	23395	23933	24471	73078
8077	.25008	25546	26084	26621	27159	27697	28234	28772	29310	29847	73078
8078	.30385	30923	31460	31998	32535	33073	33611	34148	34686	35223	73078
8079	.35761	36298	36836	37373	37911	38449	38986	39524	40061	40599	72997
8080	.41136	41674	42211	42749	43286	43823	44361	44898	45436	45973	72997
8081	.46511	47048	47585	48123	48660	49198	49735	50273	50810	51347	72997
8082	.51885	52422	52959	53497	54034	54571	55109	55646	56183	56721	72997
8083	.57258	57795	58332	58870	59407	59944	60482	61018	61556	62093	72997
8084	.62630	63168	63705	64242	64779	65317	65854	66391	66928	67465	72997
8085	.68002	68540	69077	69614	70151	70688	71225	71762	72300	72837	72997
8086	.73374	73911	74448	74985	75522	76059	76596	77133	77670	78207	72997
8087	.78744	79281	79818	80355	80892	81429	81966	82503	83040	83577	72997
8088	.84114	84651	85188	85725	86262	86799	87336	87873	88410	88947	72997
8089	.89484	90020	90557	91094	91631	92168	92705	93242	93778	94315	72997
8090	.94852	95389	95926	96463	96999	97536	98073	98610	99147	99683	72997
8091	908.00220	00757	01294	01830	02367	02904	03441	03977	04514	05051	72997
8092	.05587	06124	06661	07197	07734	08271	08807	09344	09881	10417	72997
8093	.10954	11491	12027	12564	13101	13637	14174	14710	15247	15783	72997
8094	.16320	16857	17393	17929	18466	19003	19539	20076	20612	21149	72916
8095	.21685	22222	22758	23295	23831	24368	24904	25441	25977	26514	72916
8096	.27050	27586	28123	28659	29196	29732	30268	30805	31341	31878	72916
8097	.32414	32950	33487	34023	34559	35096	35632	36168	36705	37241	72916
8098	.37777	38314	38850	39386	39922	40459	40995	41531	42067	42604	72916
8099	.43140	43676	44212	44749	45285	45821	46357	46893	47430	47966	72916

Num	0	1	2	3	4	5	6	7	8	9	Lo.D. 2
8100	908.48502	49038	49574	50110	50647	51183	51719	52255	52791	53327	72916
8101	.53863	54399	54935	55471	56008	56544	57080	57616	58152	58688	72916
8102	.59224	59760	60296	60832	61368	61904	62440	62976	63512	64048	72916
8103	.64584	65120	65656	66192	66728	67264	67800	68336	68871	69407	72916
8104	.69943	70479	71015	71551	72087	72623	73159	73694	74230	74766	72916
8105	.75302	75838	76374	76909	77445	77981	78517	79053	79588	80124	72916
8106	.80660	81196	81731	82267	82803	83339	83874	84410	84946	85482	72916
8107	.86017	86553	87089	87624	88160	88696	89231	89767	90303	90838	72916
8108	.91374	91910	92445	92981	93517	94052	94588	95123	95659	96194	72916
8109	.96730	97266	97801	98337	98872	99408	99943	00478	01014	01550	72835
8110	909.02085	02621	03156	03692	04227	04763	05298	05834	06369	06905	72835
8111	.07440	07976	08511	09046	09582	10117	10653	11188	11723	12259	72835
8112	.12794	13330	13865	14400	14936	15471	16006	16542	17077	17612	72835
8113	.18148	18683	19218	19753	20289	20824	21359	21895	22430	22965	72835
8114	.23500	24036	24571	25106	25641	26176	26712	27247	27782	28317	72835
8115	.28852	29387	29923	30458	30993	31528	32063	32598	33134	33669	72835
8116	.34204	34739	35274	35809	36344	36879	37414	37949	38485	39020	72835
8117	.39555	40090	40625	41160	41695	42230	42765	43300	43835	44370	72835
8118	.44905	45440	45975	46510	47045	47580	48114	48649	49184	49719	72835
8119	.50254	50789	51324	51859	52394	52929	53463	53998	54533	55068	72835
8120	.55603	56138	56673	57207	57742	58277	58812	59347	59881	60416	72835
8121	.60951	61486	62021	62555	63090	63625	64160	64694	65229	65764	72835
8122	.66299	66833	67368	67903	68437	68972	69507	70041	70576	71111	72835
8123	.71645	72180	72715	73249	73784	74318	74853	75388	75922	76457	72835
8124	.76991	77526	78061	78595	79130	79664	80199	80733	81268	81802	72754
8125	.82337	82871	83406	83940	84475	85009	85544	86078	86613	87147	72754
8126	.87682	88216	88751	89285	89820	90354	90888	91423	91957	92492	72754
8127	.93026	93560	94095	94629	95163	95698	96232	96767	97301	97835	72754
8128	.98369	98904	99438	99972	00507	01041	01575	02110	02644	03178	72754
8129	910.03712	04247	04781	05315	05849	06384	06918	07452	07986	08520	72754
8130	.09055	09589	10123	10657	11191	11725	12260	12794	13328	13862	72754
8131	.14396	14930	15464	15998	16533	17067	17601	18135	18669	19203	72754
8132	.19737	20271	20805	21339	21873	22407	22941	23475	24009	24543	72754
8133	.25077	25611	26145	26679	27213	27747	28281	28815	29349	29883	72754
8134	.30417	30951	31485	32019	32552	33086	33620	34154	34688	35222	72754
8135	.35756	36289	36823	37357	37891	38425	38959	39493	40026	40560	72754
8136	.41094	41628	42162	42695	43229	43763	44297	44830	45364	45898	72754
8137	.46432	46965	47499	48033	48566	49100	49634	50168	50701	51235	72754
8138	.51769	52302	52836	53370	53903	54437	54970	55504	56038	56571	72754
8139	.57105	57638	58172	58706	59239	59773	60306	60840	61373	61907	72672
8140	.62440	62974	63508	64041	64575	65108	65641	66175	66709	67242	72672
8141	.67775	68309	68842	69376	69909	70443	70976	71510	72043	72576	72672
8142	.73110	73643	74177	74710	75243	75777	76310	76843	77377	77910	72672
8143	.78443	78977	79510	80043	80577	81110	81643	82176	82710	83243	72672
8144	.83777	84310	84843	85376	85910	86443	86976	87509	88042	88576	72672
8145	.89109	89642	90175	90708	91242	91775	92308	92841	93374	93907	72672
8146	.94441	94974	95507	96040	96573	97106	97639	98172	98705	99239	72672
8147	.99772	00305	00838	01371	01904	02437	02970	03503	04036	04569	72672
8148	.05102	05635	06168	06701	07234	07767	08300	08833	09366	09899	72672
8149	.10432	10965	11497	12031	12564	13096	13629	14162	14695	15228	72672

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D 2
8150	911.15761	16294	16827	17359	17892	18425	18958	19491	20024	20557	72672
8151	.21089	21622	22155	22688	23221	23753	24286	24819	25352	25884	72672
8152	.26417	26950	27483	28015	28548	29081	29613	30146	30679	31212	72672
8153	.31744	32277	32810	33342	33875	34408	34940	35473	36005	36538	72672
8154	.37071	37603	38136	38669	39201	39734	40266	40799	41331	41864	72591
8155	.42397	42929	43462	43994	44527	45059	45592	46124	46657	47189	72591
8156	.47721	48254	48787	49319	49852	50384	50917	51449	51981	52514	72591
8157	.53046	53579	54111	54643	55176	55708	56241	56773	57305	57838	72591
8158	.58370	58902	59435	59967	60499	61032	61564	62096	62629	63161	72591
8159	.63693	64226	64758	65290	65822	66355	66887	67419	67951	68484	72591
8160	.69016	69548	70080	70613	71145	71677	72209	72741	73273	73806	72591
8161	.74338	74870	75402	75934	76466	76999	77531	78063	78595	79127	72591
8162	.79659	80191	80723	81255	81787	82319	82851	83384	83916	84448	72591
8163	.84980	85512	86044	86575	87108	87640	88172	88704	89236	89768	72591
8164	.90300	90832	91364	91895	92427	92959	93491	94023	94555	95087	72591
8165	.95619	96151	96683	97215	97746	98278	98810	99342	99874	00406	72591
8166	912.00938	01469	02001	02533	03065	03597	04128	04660	05192	05724	72591
8167	.06256	06787	07319	07851	08373	08914	09446	09978	10509	11041	72591
8168	.11573	12105	12636	13168	13700	14231	14763	15295	15826	16358	72591
8169	.16890	17421	17953	18484	19016	19548	20079	20611	21143	21674	72591
8170	.22206	22737	23269	23800	24332	24863	25395	25927	26458	26990	72509
8171	.27521	28052	28584	29116	29647	30179	30710	31241	31773	32304	72509
8172	.32836	33367	33899	34430	34962	35493	36024	36556	37087	37619	72509
8173	.38150	38681	39213	39744	40275	40807	41338	41869	42401	42932	72509
8174	.43463	43995	44526	45057	45589	46120	46651	47182	47714	48245	72509
8175	.48776	49307	49839	50370	50901	51432	51964	52495	53026	53557	72509
8176	.54088	54619	55151	55682	56213	56744	57275	57806	58338	58869	72509
8177	.59400	59931	60462	60993	61524	62055	62586	63117	63649	64180	72509
8178	.64711	65242	65773	66304	66835	67366	67897	68428	68959	69489	72509
8179	.70021	70552	71083	71614	72145	72676	73207	73738	74269	74799	72509
8280	.75330	75861	76392	76923	77454	77985	78516	79047	79578	80108	72509
8181	.80639	81170	81701	82232	82763	83293	83824	84355	84886	85417	72509
8182	.85948	86478	87009	87540	88071	88601	89132	89663	90194	90724	72509
8183	.91255	91786	92317	92847	93378	93909	94439	94970	95501	96031	72509
8184	.96562	97093	97623	98154	98685	99215	99746	00277	00807	01338	72509
8185	913.01868	02399	02929	03460	03991	04521	05052	05582	06113	06643	72427
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8188	.17783	18314	18844	19375	19905	20435	20966	21496	22026	22557	72427
8189	.23087	23617	24148	24678	25208	25739	26269	26799	27330	27860	72427
8190	.28390	28920	29451	29981	30511	31041	31572	32102	32632	33162	72427
8191	.33693	34223	34753	35283	35813	36344	36874	37404	37934	38464	72427
8192	.38994	39525	40055	40585	41115	41645	42175	42705	43235	43765	72427
8193	.44295	44826	45356	45886	46416	46946	47476	48006	48536	49066	72427
8194	.49596	50126	50656	51186	51716	52246	52776	53306	53836	54366	72427
8195	.54896	55426	55956	56486	57016	57545	58075	58605	59135	59665	72427
8196	.60195	60725	61255	61785	62314	62844	63374	63904	64434	64964	72427
8197	.65494	66023	66553	67083	67613	68143	68672	69202	69732	70262	72427
8198	.70791	71321	71851	72381	72910	73440	73970	74500	75029	75559	72427
8199	.76089	76618	77148	77678	78207	78737	79267	79796	80326	80856	72427

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8201	.86681	87211	87740	88270	88800	89329	89858	90388	90917	91447	72345
8202	.91977	92506	93035	93565	94094	94624	95153	95683	96212	96742	72345
8203	.97271	97801	98330	98859	99389	99918	00448	00977	01506	02036	72345
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8205	.07859	08388	08917	09446	09976	10505	11034	11564	12093	12622	72345
8206	.13151	13681	14210	14739	15268	15797	16327	16856	17385	17914	72345
8207	.18443	18973	19502	20031	20560	21089	21618	22147	22677	23206	72345
8208	.23735	24264	24793	25322	25851	26380	26909	27438	27967	28497	72345
8209	.29026	29555	30084	30613	31142	31671	32200	32729	33258	33787	72345
8210	.34316	34845	35374	35903	36432	36961	37489	38018	38547	39076	72345
8211	.39605	40134	40663	41192	41721	42250	42779	43307	43836	44365	72345
8212	.44894	45423	45952	46481	47009	47538	48067	48596	49125	49653	72345
8213	.50182	50711	51240	51769	52297	52826	53355	53884	54412	54941	72345
8214	.55470	55999	56527	57056	57585	58113	58642	59171	59699	60228	72345
8215	.60757	61285	61814	62343	62871	63400	63929	64457	64986	65514	72345
8216	.66043	66572	67100	67629	68157	68686	69215	69743	70272	70800	72263
8217	.71329	71857	72386	72914	73443	73971	74500	75028	75557	76085	72263
8218	.76614	77142	77671	78199	78728	79256	79784	80313	80841	81370	72263
8219	.81898	82426	82955	83483	84012	84540	85068	85597	86125	86653	72263
8220	.87182	87710	88238	88767	89295	89823	90352	90880	91408	91937	72263
8221	.92465	92993	93521	94050	94578	95106	95634	96163	96691	97219	72263
8222	.97747	98275	98804	99332	99860	00388	00916	01445	01973	02501	72263
8223	915.03029	03557	04085	04613	05142	05670	06198	06726	07254	07782	72263
8224	.08310	08838	09366	09894	10422	10950	11479	12007	12535	13063	72263
8225	.13591	14119	14647	15179	15703	16231	16759	17287	17815	18343	72263
8226	.18871	19398	19926	20454	20982	21510	22038	22566	23094	23622	72263
8227	.24150	24678	25206	25733	26261	26789	27317	27845	28373	28900	72263
8228	.29428	29956	30484	31012	31540	32067	32595	33123	33651	34178	72263
8229	.34706	35234	35762	36289	36817	37345	37873	38400	38928	39456	72263
8230	.39984	40511	41039	41567	42094	42622	43150	43677	44205	44733	72263
8231	.45260	45788	46315	46843	47371	47898	48426	48953	49481	50009	72263
8232	.50536	51064	51591	52119	52646	53174	53701	54229	54757	55284	72181
8233	.55812	56339	56867	57394	57922	58449	58976	59504	60031	60559	72181
8234	.61086	61614	62141	62669	63196	63723	64251	64778	65306	65833	72181
8235	.66360	66888	67415	67942	68470	68997	69524	70052	70579	71106	72181
8236	.71634	72161	72688	73216	73743	74270	74798	75325	75852	76379	72181
8237	.76907	77434	77961	78488	79016	79543	80070	80597	81124	81652	72181
8238	.82179	82706	83233	83760	84287	84815	85342	85869	86396	86923	72181
8239	.87450	87977	88505	89032	89559	90086	90613	91140	91667	92194	72181
8240	.92721	93248	93775	94302	94829	95356	95883	96410	96937	97464	72181
8241	.97991	98518	99045	99572	00099	00626	01153	01680	02207	02734	72181
8242	916.03261	03788	04315	04842	05369	05896	06422	06949	07476	08003	72181
8243	.08530	09057	09584	10111	10637	11164	11691	12218	12745	13272	72181
8244	.13798	14325	14852	15379	15905	16432	16959	17486	18013	18539	72181
8245	.19066	19593	20119	20646	21173	21700	22226	22753	23280	23806	72181
8246	.24333	24860	25386	25913	26440	26966	27493	28020	28546	29073	72181
8247	.29599	30126	30653	31179	31706	32232	32759	33286	33812	34339	72098
8248	.34865	35392	35918	36445	36971	37498	38024	38551	39077	39604	72098
8249	.40130	40657	41183	41710	42236	42763	43289	43816	44342	44868	72098

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8252	.55922	56448	56975	57501	58027	58553	59079	59606	60132	60658	72098
8253	.61185	61711	62237	62763	63289	63816	64342	64867	65394	65920	72098
8254	.66446	66973	67499	68025	68551	69077	69603	70129	70656	71182	72098
255	.71707	72234	72760	73286	73812	74338	74864	75390	75916	76442	72098
256	.76968	77494	78020	78547	79073	79599	80125	80651	81177	81702	72098
8257	.82228	82754	83280	83806	84332	84858	85384	85910	86436	86962	72098
8258	.87487	88014	88540	89066	89591	90117	90643	91169	91695	92221	72098
8259	.92747	93272	93798	94324	94850	95376	95902	96427	96953	97479	72098
8260	.98005	98531	99056	99582	00107	00634	01159	01685	02211	02737	72098
8261	917.03262	03787	04314	04839	05365	05891	06416	06942	07467	07993	72098
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8263	.13775	14301	14826	15352	15877	16403	16929	17454	17979	18505	72015
8264	.19031	19556	20082	20607	21133	21658	22184	22709	23235	23760	72015
8265	.24286	24811	25337	25862	26387	26913	27439	27964	28489	29015	72015
8266	.29540	30065	30591	31116	31642	32167	32692	33217	33743	34268	72015
8267	.34794	35319	35844	36370	36895	37420	37946	38471	38996	39522	72015
8268	.40047	40572	41097	41623	42147	42673	43198	43724	44249	44774	72015
8269	.45299	45824	46350	46875	47400	47925	48450	48975	49501	50026	72015
8270	.50551	51076	51601	52126	52651	53177	53702	54227	54752	55277	72015
8271	.55802	56327	56852	57377	57902	58427	58952	59477	60003	60527	72015
8272	.61053	61577	62103	62627	63152	63677	64203	64727	65253	65777	72015
8273	.66302	66827	67352	67877	68402	68927	69452	69977	70502	71027	72015
8274	.71552	72077	72601	73126	73651	74176	74701	75226	75751	76275	72015
8275	.76800	77325	77850	78375	78900	79424	79949	80474	80999	81523	72015
8276	.82048	82573	83097	83622	84147	84672	85197	85721	86246	86771	72015
8277	.87296	87820	88345	88869	89394	89919	90444	90968	91493	92017	72015
8278	.92542	93067	93591	94116	94641	95165	95690	96215	96739	97264	72015
8279	.97788	98313	98837	99362	99887	00411	00936	01460	01985	02509	71933
8280	918.03034	03558	04083	04607	05132	05656	06181	06705	07230	07754	71933
8281	.08278	08803	09327	09852	10376	10901	11425	11949	12474	12998	71933
8282	.13523	14047	14571	15096	15620	16144	16669	17193	17717	18242	71933
8283	.18766	19290	19815	20339	20863	21388	21912	22436	22961	23485	71933
8284	.24009	24533	25057	25582	26106	26630	27154	27679	28203	28727	71933
8285	.29251	29775	30300	30824	31348	31872	32396	32920	33445	33969	71933
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8288	.44974	45498	46022	46546	47070	47594	48118	48642	49166	49690	71933
8289	.50214	50737	51262	51786	52310	52834	53357	53881	54405	54929	71933
8290	.55453	55977	56501	57025	57549	58072	58596	59120	59644	60168	71933
8291	.60692	61215	61739	62263	62787	63311	63834	64358	64882	65406	71933
8292	.65929	66453	66977	67501	68024	68548	69072	69595	70119	70643	71933
8293	.71167	71690	72214	72737	73261	73785	74309	74832	75356	75879	71933
8294	.76403	76927	77450	77974	78497	79021	79545	80068	80592	81115	71850
8295	.81639	82163	82686	83210	83733	84257	84780	85304	85827	86351	71850
8296	.86874	87398	87921	88445	88968	89492	90015	90539	91062	91586	71850
8297	.92109	92632	93156	93679	94203	94726	95250	95773	96296	96820	71850
8298	.97343	97866	98390	98913	99436	99960	00483	01007	01530	02053	71850
8299	919.02576	03100	03623	04146	04670	05193	05716	06239	06763	07286	71850

Chiliades centum Logarithmorum.

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8301	.13041	13565	14088	14611	15134	15657	16180	16704	17227	17750	71850
8302	.18273	18796	19319	19842	20365	20888	21412	21935	22458	22981	71850
8303	.23504	24027	24550	25073	25596	26119	26642	27165	27688	28211	71850
8304	.28734	29257	29780	30303	30826	31349	31872	32395	32917	33441	71850
8305	.33964	34487	35010	35532	36055	36578	37101	37624	38147	38670	71850
8306	.39193	39716	40238	40761	41284	41807	42330	42853	43375	43898	71850
8307	.44421	44944	45467	45989	46512	47035	47558	48081	48603	49126	71850
8308	.49649	50172	50694	51217	51740	52262	52785	53307	53831	54353	71850
8309	.54876	55399	55921	56444	56967	57489	58012	58535	59057	59579	71850
8310	.60102	60625	61147	61670	62193	62715	63237	63761	64283	64806	71767
8311	.65328	65851	66373	66896	67419	67941	68463	68986	69509	70031	71767
8312	.70553	71076	71599	72121	72643	73166	73688	74211	74733	75256	71767
8313	.75778	76300	76823	77345	77868	78390	78913	79435	79957	80479	71767
8314	.81002	81524	82047	82569	83091	83614	84136	84658	85181	85703	71767
8315	.86225	86748	87270	87792	88315	88837	89359	89881	90404	90926	71767
8316	.91448	91970	92493	93015	93537	94059	94581	95104	95626	96148	71767
8317	.96670	97192	97714	98237	98759	99281	99803	00325	00847	01369	71767
8318	920.01892	02414	02936	03458	03980	04502	05024	05546	06068	06590	71767
8319	.07112	07634	08157	08679	09201	09723	10245	10767	11289	11811	71767
8320	.12333	12855	13377	13899	14421	14942	15464	15986	16508	17030	71767
8321	.17552	18074	18596	19117	19640	20162	20684	21206	21727	22249	71767
8322	.22771	23293	23815	24337	24859	25380	25902	26424	26946	27468	71767
8323	.27989	28511	29033	29555	30077	30598	31120	31642	32164	32685	71767
8324	.33207	33729	34251	34772	35294	35816	36337	36859	37381	37903	71767
8325	.38424	38946	39467	39989	40511	41033	41554	42076	42597	43119	71767
8326	.43641	44162	44684	45205	45727	46249	46770	47292	47813	48335	71683
8327	.48856	49378	49900	50421	50943	51464	51986	52507	53029	53550	71683
8328	.54072	54593	55115	55636	56157	56679	57200	57722	58243	58765	71683
8329	.59286	59807	60329	60850	61372	61893	62415	62936	63457	63979	71683
8330	.64500	65022	65543	66064	66586	67107	67628	68150	68671	69192	71683
8331	.69713	70235	70756	71277	71799	72320	72841	73362	73884	74405	71683
8332	.74926	75447	75969	76490	77011	77532	78053	78575	79096	79617	71683
8333	.80138	80659	81181	81702	82223	82744	83265	83786	84307	84829	71683
8334	.85350	85871	86392	86913	87434	87955	88476	88997	89518	90039	71683
8335	.90560	91081	91603	92124	92645	93166	93687	94208	94729	95250	71683
8336	.95771	96292	96813	97334	97854	98375	98896	99417	99938	00459	71683
8337	921.00980	01501	02022	02543	03064	03585	04106	04626	05147	05668	71683
8338	.06189	06710	07231	07752	08272	08793	09314	09835	10356	10877	71683
8339	.11397	11918	12439	12960	13481	14001	14522	15043	15564	16084	71683
8340	.16605	17126	17647	18167	18688	19209	19729	20250	20771	21291	71683
8341	.21812	22333	22853	23374	23895	24415	24936	25457	25977	26498	71683
8342	.27019	27539	28060	28580	29101	29621	30142	30663	31183	31704	71600
8343	.32224	32745	33265	33786	34307	34827	35347	35868	36388	36909	71600
8344	.37430	37950	38471	38991	39511	40032	40552	41073	41593	42114	71600
8345	.42634	43155	43675	44195	44716	45236	45757	46277	46797	47317	71600
8346	.47838	48358	48879	49399	49919	50440	50960	51480	52001	52521	71600
8347	.53041	53562	54082	54602	55123	55643	56163	56683	57204	57724	71600
8348	.58244	58764	59285	59805	60325	60845	61365	61886	62406	62926	71600
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8352	.79049	79569	80089	80609	81128	81648	82168	82688	83208	83728	71600
8353	.84248	84768	85288	85807	86327	86847	87367	87887	88407	88927	71600
8354	.89447	89967	90487	91007	91527	92046	92566	93086	93606	94126	71600
8355	.94645	95165	95685	96205	96725	97244	97764	98284	98804	99323	71600
8356	.99843	00363	00883	01402	01922	02442	02961	03481	04001	04521	71600
8357	922.05040	05560	06079	06599	07119	07639	08158	08677	09197	09717	71600
8358	.10237	10756	11276	11796	12315	12835	13354	13874	14393	14913	71516
8359	.15433	15952	16472	16991	17511	18030	18550	19069	19589	20108	71516
8360	.20627	21147	21667	22186	22706	23225	23745	24264	24783	25303	71516
8361	.25822	26342	26862	27381	27900	28419	28939	29458	29977	30497	71516
8362	.31016	31536	32055	32574	33094	33613	34132	34652	35171	35690	71516
8363	.36210	36729	37248	37768	38287	38806	39325	39845	40364	40883	71516
8364	.41402	41922	42441	42960	43479	43999	44518	45037	45556	46075	71516
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8367	.56977	57496	58015	58534	59053	59572	60091	60610	61129	61648	71516
8368	.62167	62686	63205	63724	64243	64762	65281	65800	66319	66838	71516
8369	.67357	67876	68395	68914	69432	69951	70470	70989	71508	72027	71516
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8374	.93296	93814	94333	94852	95370	95889	96407	96926	97444	97963	71432
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8391	.81372	81890	82407	82925	83442	83960	84477	84995	85512	86030	71349
8392	.86547	87065	87583	88100	88617	89135	89652	90170	90687	91205	71349
8393	.91722	92240	92757	93275	93792	94309	94827	95344	95862	96379	71349
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8395	924.02070	02587	03105	03622	04139	04657	05174	05691	06208	06726	71349
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8397	.12415	12933	13450	13967	14484	15001	15518	16036	16553	17070	71349
8398	.17587	18104	18621	19138	19656	20173	20690	21207	21724	22241	71349
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8415	.05412	05928	06444	06960	07476	07992	08508	09025	09541	10057	71264
8416	.10573	11089	11605	12121	12637	13153	13669	14185	14701	15217	71264
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8419	.26051	26567	27083	27598	28114	28630	29146	29662	30178	30693	71264
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8425	.56991	57506	58022	58537	59053	59568	60084	60599	61115	61630	71180
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8427	.67299	67815	68330	68845	69361	69876	70391	70907	71422	71937	71180
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8433	.98210	98725	99240	99755	00269	00785	01300	01815	02330	02845	71180
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8456	.16497	17011	17525	18038	18552	19065	19579	20092	20606	21120	71011
8457	.21633	22147	22660	23174	23687	24201	24714	25228	25741	26255	71011
8458	.26768	27282	27795	28308	28822	29335	29849	30362	30876	31389	71011
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8464	.57565	58079	58592	59105	59618	60131	60644	61157	61670	62183	71011
8465	.62696	63209	63722	64235	64748	65261	65774	66287	66800	67313	71011
8466	.67826	68339	68852	69365	69878	70391	70904	71417	71930	72443	71011
8467	.72956	73469	73982	74495	75008	75521	76033	76546	77059	77572	71011
8468	.78085	78598	79111	79624	80136	80649	81162	81675	82188	82700	71011
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8489	.85653	86165	86677	87188	87700	88211	88723	89234	89746	90257	70842
8490	.90769	91281	91792	92304	92815	93327	93838	94350	94861	95373	70842
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8498	.31673	32184	32695	33206	33717	34227	34739	35250	35761	36272	70842
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8519	.38862	39372	39881	40391	40901	41411	41920	42430	42940	43450	70757
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8522	.54153	54663	55172	55682	56191	56701	57211	57720	58230	58739	70757
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8526	.74533	75042	75552	76061	76570	77079	77589	78098	78608	79117	70671
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8536	.25441	25949	26458	26967	27476	27984	28493	29002	29511	30019	70671
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8538	.35615	36124	36632	37141	37650	38158	38667	39176	39684	40193	70671
8539	.40701	41210	41719	42227	42736	43244	43753	44261	44770	45279	70586
8540	.45787	46296	46804	47313	47821	48330	48838	49347	49855	50364	70586
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8545	.71207	71715	72223	72731	73240	73748	74256	74764	75272	75781	70586
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8547	.81370	81879	82387	82895	83403	83911	84419	84927	85435	85943	70586
8548	.86451	86959	87467	87976	88484	88992	89500	90008	90516	91023	70586
8549	.91532	92039	92547	93056	93563	94072	94579	95087	95596	96103	70586

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8552	.06769	07277	07785	08293	08800	09308	09816	10324	10832	11339	70586
8553	.11847	12355	12863	13370	13878	14386	14894	15401	15909	16417	70586
8554	.16925	17432	17940	18447	18955	19463	19971	20478	20986	21494	70586
8555	.22001	22509	23017	23524	24032	24540	25047	25555	26062	26570	70586
8556	.27078	27585	28093	28600	29108	29615	30123	30631	31138	31646	70500
8557	.32153	32661	33168	33676	34183	34691	35198	35706	36213	36721	70500
8558	.37228	37736	38243	38751	39258	39765	40273	40780	41288	41795	70500
8559	.42303	42810	43317	43825	44332	44840	45347	45854	46362	46869	70500
8560	.47376	47884	48391	48899	49406	49913	50420	50928	51435	51942	70500
8561	.52450	52957	53464	53972	54479	54986	55493	56001	56507	57015	70500
8562	.57522	58030	58537	59044	59551	60058	60566	61073	61580	62087	70500
8563	.62594	63102	63609	64116	64623	65130	65637	66144	66652	67159	70500
8564	.67666	68173	68680	69187	69694	70201	70708	71216	71723	72230	70500
8565	.72737	73244	73751	74258	74765	75272	75779	76286	76793	77300	70500
8566	.77807	78314	78821	79327	79835	80342	80849	81356	81863	82370	70500
8567	.82877	83384	83891	84397	84904	85411	85918	86425	86932	87439	70500
8568	.87946	88453	88960	89466	89973	90480	90987	91494	92001	92507	70500
8569	.93014	93521	94027	94535	95042	95548	96055	96562	97069	97575	70500
8570	.98082	98589	99096	99602	00109	00616	01123	01629	02136	02643	70500
8571	933.03150	03656	04163	04670	05176	05683	06189	06696	07203	07710	70500
8572	.08216	08723	09230	09736	10243	10749	11256	11763	12269	12776	70500
8573	.13282	13789	14296	14802	15309	15815	16322	16828	17335	17841	70415
8574	.18348	18854	19361	19867	20374	20880	21386	21893	22400	22906	70415
8575	.23413	23919	24426	24932	25439	25945	26452	26958	27464	27971	70415
8576	.28477	28984	29490	29996	30503	31009	31515	32022	32528	33035	70415
8577	.33541	34047	34554	35060	35566	36073	36579	37085	37592	38098	70415
8578	.38604	39110	39617	40123	40629	41136	41642	42148	42654	43160	70415
8579	.43667	44173	44679	45185	45692	46198	46704	47210	47716	48223	70415
8580	.48729	49235	49741	50247	50753	51260	51766	52272	52778	53284	70415
8581	.53790	54296	54802	55309	55815	56321	56827	57333	57839	58345	70415
8582	.58851	59357	59863	60369	60875	61381	61887	62393	62899	63405	70415
8583	.63911	64417	64923	65430	65935	66441	66947	67453	67959	68465	70415
8584	.68971	69477	69983	70489	70995	71501	72006	72512	73018	73524	70415
8585	.74030	74536	75042	75548	76053	76559	77065	77571	78077	78583	70415
8586	.79088	79594	80100	80606	81112	81617	82123	82629	83135	83641	70415
8587	.84146	84652	85158	85664	86169	86675	87181	87686	88192	88698	70415
8588	.89204	89709	90215	90721	91226	91732	92237	92743	93249	93755	70415
8589	.94260	94766	95272	95777	96283	96788	97294	97800	98305	98811	70415
8590	.99316	99822	00328	00833	01339	01844	02350	02855	03361	03866	70329
8591	934.04372	04877	05383	05888	06394	06899	07405	07910	08416	08921	70329
8592	.09427	09932	10437	10943	11449	11954	12460	12965	13470	13976	70329
8593	.14481	14987	15492	15997	16503	17008	17514	18019	18524	19030	70329
8594	.19535	20040	20546	21051	21556	22062	22567	23072	23578	24083	70329
8595	.24588	25093	25599	26104	26609	27114	27620	28125	28630	29135	70329
8596	.29641	30146	30651	31156	31662	32167	32672	33177	33682	34188	70329
8597	.34693	35198	35703	36208	36713	37218	37724	38229	38734	39239	70329
8598	.39744	40249	40754	41259	41764	42270	42775	43280	43785	44290	70329
8599	.44795	45300	45805	46310	46815	47320	47825	48330	48835	49340	70329

Chiliades centum Logarithmorum.

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8500	934·49845	50350	50855	51360	51865	52370	52875	53379	53885	54390	70329
8601	·54895	55400	55905	56410	56914	57419	57924	58429	58934	59439	70329
8602	·59944	60449	60954	61458	61963	62468	62973	63477	63983	64487	70329
8603	·64992	65497	66002	66507	67012	67516	68021	68526	69031	69535	70329
8604	·70040	70545	71050	71554	72059	72564	73069	73573	74078	74583	70329
8605	·75087	75592	76097	76602	77106	77611	78116	78620	79125	79629	70329
8606	·80134	80639	81143	81648	82153	82657	83162	83667	84171	84676	70329
8607	·85180	85685	86189	86694	87199	87703	88207	88712	89217	89721	70243
8608	·90226	90730	91235	91739	92244	92748	93253	93757	94262	94766	70243
8609	·95271	95775	96279	96784	97289	97793	98297	98802	99306	99811	70243
8610	935·00315	00820	01324	01828	02333	02837	03341	03846	04350	04855	70243
8611	·05359	05863	06367	06872	07376	07880	08385	08889	09394	09897	70243
8612	·10402	10906	11411	11915	12419	12923	13427	13932	14436	14940	70243
8613	·15445	15949	16453	16957	17462	17966	18470	18974	19478	19983	70243
8614	·20487	20991	21495	21999	22503	23007	23511	24016	24520	25024	70243
8615	·25528	26032	26536	27041	27545	28049	28553	29057	29561	30065	70243
8616	·30569	31073	31577	32081	32585	33089	33593	34097	34601	35105	70243
8617	·35609	36113	36617	37121	37625	38129	38633	39137	39641	40145	70243
8618	·40649	41153	41657	42161	42665	43169	43673	44176	44680	45184	70243
8619	·45688	46192	46696	47200	47704	48207	48711	49215	49719	50223	70243
8620	·50727	51230	51734	52238	52742	53246	53749	54253	54757	55261	70243
8621	·55765	56268	56772	57276	57779	58283	58787	59291	59794	60298	70243
8622	·60802	61306	61809	62313	62817	63320	63824	64327	64831	65335	70243
8623	·65839	66342	66846	67350	67853	68357	68860	69364	69867	70371	70243
8624	·70875	71378	71882	72386	72889	73393	73896	74400	74903	75407	70156
8625	·75910	76414	76917	77421	77924	78427	78931	79435	79938	80442	70156
8626	·80945	81449	81952	82456	82959	83463	83966	84470	84973	85476	70156
8627	·85979	86483	86987	87490	87993	88497	89000	89503	90007	90510	70156
8628	·91014	91517	92020	92524	93027	93530	94034	94537	95040	95544	70156
8620	·96047	96550	97053	97557	98060	98563	99067	99570	00073	00576	70156
8630	936·01079	01583	02086	02589	03092	03596	04099	04602	05105	05608	70156
8631	·06112	06615	07118	07621	08124	08627	09131	09634	10137	10640	70156
8632	·11143	11646	12149	12653	13156	13659	14162	14665	15167	15671	70156
8633	·16174	16677	17180	17683	18186	18689	19192	19695	20198	20701	70156
8634	·21204	21707	22210	22713	23216	23719	24222	24725	25228	25731	70156
8635	·26234	26737	27240	27743	28246	28749	29252	29755	30257	30760	70156
8636	·31263	31766	32269	32772	33275	33777	34280	34783	35286	35789	70156
8637	·36292	36795	37297	37800	38303	38806	39309	39812	40314	40817	70156
8638	·41320	41823	42326	42828	43331	43834	44337	44839	45342	45845	70156
8639	·46347	46850	47353	47856	48358	48861	49364	49866	50369	50872	70156
8640	·51374	51877	52379	52882	53385	53887	54390	54893	55395	55897	70156
8641	·56401	56903	57406	57908	58411	58913	59416	59919	60421	60924	70070
8642	·61426	61929	62431	62934	63436	63939	64441	64944	65446	65949	70070
8643	·66451	66954	67456	67959	68461	68964	69466	69969	70471	70973	70070
8644	·71476	71978	72481	72983	73485	73987	74490	74993	75495	75997	70070
8645	·76500	77002	77504	78007	78509	79011	79514	80016	80518	81021	70070
8646	·81523	82025	82527	83030	83532	84035	84537	85039	85541	86044	70070
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8649	·95590	97092	97594	98096	98598	99100	99602	00105	00607	01109	70070

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8652	.11651	12153	12655	13157	13659	14161	14663	15165	15667	16168	7007°
8653	.16670	17172	17674	18176	18678	19180	19682	20184	20685	21187	7007°
8654	.21689	22191	22693	23195	23696	24198	24700	25202	25704	26205	70070
8655	.26707	27209	27711	28213	28714	29216	29717	30219	30721	31223	70070
8656	.31725	32227	32728	33230	33732	34233	34735	35237	35738	36240	70070
8657	.36742	37243	37745	38247	38748	39250	39752	40253	40755	41257	70070
8658	.41758	42259	42761	43263	43765	44266	44767	45269	45771	46272	69983
8659	.46773	47276	47777	48279	48780	49282	49783	50285	50786	51287	69983
8660	.51789	52291	52792	53294	53795	54297	54798	55299	55801	56302	69983
8661	.56804	57305	57807	58308	58810	59311	59812	60314	60815	61317	69983
8662	.61817	62319	62821	63322	63823	64325	64826	65327	65829	66330	69983
8663	.66831	67333	67834	68335	68837	69337	69839	70341	70842	71343	69983
8664	.71844	72346	72847	73349	73849	74351	74852	75353	75854	76355	69983
8665	.76857	77357	77859	78360	78861	79363	79864	80365	80866	81367	69983
8666	.81868	82370	82871	83372	83873	84374	84875	85376	85877	86379	69983
8667	.86879	87381	87882	88383	88884	89385	89886	90387	90888	91389	69983
8668	.91890	92391	92892	93393	93894	94395	94896	95397	95898	96399	69983
8669	.96900	97401	97902	98403	98904	99405	99906	00407	00907	01409	69983
8670	938.01910	02411	02912	03412	03913	04414	04915	05416	05917	06417	69983
8671	.06919	07419	07920	08421	08922	09423	09924	10424	10925	11426	69983
8672	.11927	12427	12928	13429	13930	14431	14932	15432	15933	16434	69983
8673	.16935	17435	17936	18437	18937	19438	19939	20440	20940	21441	69983
8674	.21942	22442	22943	23444	23944	24445	24946	25446	25947	26447	69983
8675	.26948	27449	27950	28450	28951	29451	29952	30453	30953	31454	69983
8676	.31954	32455	32955	33456	33957	34457	34957	35458	35959	36459	69897
8677	.36960	37460	37961	38461	38962	39462	39963	40463	40964	41464	69897
8678	.41965	42465	42965	43466	43966	44467	44967	45467	45968	46468	69897
8679	.46969	47469	47970	48470	48970	49471	49971	50471	50972	51472	69897
8680	.51973	52473	52973	53474	53974	54474	54974	55475	55975	56475	69897
8681	.56976	57476	57976	58476	58977	59477	59977	60477	60977	61477	69897
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8683	.66980	67480	67980	68481	68981	69481	69981	70481	70981	71481	69897
8684	.71981	72482	72982	73482	73982	74482	74982	75482	75982	76482	69897
8685	.76982	77482	77982	78482	78982	79482	79982	80483	80983	81483	69897
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8688	.91981	92481	92981	93481	93981	94481	94980	95480	95980	96479	69897
8689	.96979	97479	97979	98479	98979	99479	99979	99478	00978	01477	69897
8690	939.01977	02477	02977	03477	03977	04476	04976	05476	05976	06475	69897
8691	.06975	07475	07974	08474	08974	09473	09973	10473	10972	11472	69897
8692	.11972	12471	12971	13471	13970	14470	14970	15469	15969	16468	69897
8693	.16967	17467	17967	18467	18966	19466	19965	20465	20965	21464	69897
8694	.21964	22463	22963	23462	23962	24461	24961	25460	25960	26459	69810
8695	.26959	27458	27957	28457	28956	29456	29955	30455	30954	31454	69810
8696	.31953	32453	32952	33451	33951	34450	34950	35449	35948	36447	69810
8697	.36947	37446	37946	38445	38944	39444	39943	40442	40942	41441	69810
8698	.41940	42440	42939	43438	43937	44437	44936	45435	45935	46434	69810
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8702	·61907	62407	62906	63405	63904	64403	64902	65401	65900	66399	69810
8703	·66898	67397	67896	68395	68894	69393	69892	70391	70890	71389	69810
8704	·71888	72387	72886	73385	73884	74383	74882	75381	75879	76379	69810
8705	·76877	77376	77875	78374	78873	79372	79871	80370	80869	81367	69810
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8707	·86854	87353	87852	88351	88850	89348	89847	90346	90845	91343	69810
8708	·91842	92341	92839	93338	93837	94336	94834	95333	95832	96330	69810
8709	·96829	97327	97826	98325	98824	99322	99821	00320	00818	01317	69810
8710	940·01816	02314	02813	03311	03810	04309	04807	05306	05804	06303	69810
8711	·06801	07300	07799	08297	08796	09294	09793	10291	10790	11288	69722
8712	·11787	12285	12784	13282	13781	14279	14777	15276	15775	16273	69722
8713	·16771	17270	17768	18267	18765	19264	19762	20260	20759	21257	69722
8714	·21755	22254	22752	23251	23749	24247	24746	25244	25742	26241	69722
8715	·26739	27237	27736	28234	28732	29231	29729	30227	30726	31224	69722
8716	·31722	32220	32719	33217	33715	34213	34712	35210	35708	36206	69722
8717	·36705	37203	37701	38199	38697	39196	39694	40192	40690	41188	69722
8718	·41686	42185	42683	43181	43679	44177	44675	45173	45672	46170	69722
8719	·46667	47166	47664	48162	48660	49158	49656	50154	50652	51150	69722
8720	·51648	52146	52645	53143	53641	54139	54637	55135	55633	56131	69722
8721	·56629	57127	57625	58123	58621	59119	59616	60114	60612	61110	69722
8722	·61608	62106	62604	63102	63600	64097	64596	65094	65591	66089	69722
8723	·66587	67085	67583	68081	68579	69076	69574	70072	70570	71067	69722
8724	·71566	72064	72561	73059	73557	74055	74552	75050	75548	76046	69722
8725	·76544	77041	77539	78037	78535	79032	79530	80027	80525	81023	69722
8726	·81521	82019	82516	83014	83512	84009	84507	85005	85502	86000	69722
8727	·86497	86995	87493	87991	88488	88986	89483	89981	90479	90976	69722
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8729	·96449	96947	97444	97942	98439	98937	99434	99932	00429	00927	69635
8730	941·01424	01922	02419	02917	03414	03912	04409	04907	05404	05901	69635
8731	·06399	06896	07394	07891	08388	08886	09383	09881	10377	10875	69635
8732	·11373	11870	12367	12865	13362	13859	14357	14854	15351	15849	69635
8733	·16346	16843	17341	17838	18335	18832	19330	19827	20324	20822	69635
8734	·21319	21816	22313	22810	23307	23805	24302	24799	25297	25794	69635
8735	·26290	26788	27285	27782	28279	28777	29274	29771	30268	30765	69635
8736	·31263	31760	32257	32754	33251	33748	34245	34742	35239	35736	69635
8737	·36233	36731	37227	37725	38222	38719	39216	39713	40210	40707	69635
8738	·41204	41701	42198	42695	43192	43689	44186	44683	45180	45677	69635
8739	·46174	46671	47167	47665	48161	48659	49156	49653	50149	50646	69635
8740	·51143	51640	52137	52634	53131	53627	54125	54621	55118	55615	69635
8741	·56112	56609	57106	57603	58099	58596	59093	59590	60087	60583	69635
8742	·61080	61577	62074	62571	63067	63564	64061	64557	65054	65551	69635
8743	·66047	66545	67041	67538	68035	68531	69028	69525	70022	70518	69635
8744	·71015	71512	72008	72505	73002	73498	73995	74491	74988	75485	69635
8745	·75981	76478	76975	77471	77967	78464	78961	79457	79954	80451	69635
8746	·80947	81444	81940	82437	82934	83430	83927	84423	84920	85416	69548
8747	·85913	86409	86906	87402	87899	88395	88892	89388	89885	90381	69548
8748	·90877	91374	91870	92367	92863	93359	93856	94352	94849	95345	69548
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8753	.15693	16189	16685	17181	17677	18174	18670	19166	19662	20158	69547
8754	.20654	21150	21646	22143	22639	23135	23631	24127	24623	25119	69548
8755	.25615	26111	26607	27103	27599	28095	28591	29087	29583	30079	69548
8756	.30575	31071	31567	32063	32559	33055	33551	34047	34543	35039	69548
8757	.35535	36031	36527	37023	37519	38015	38511	39006	39502	39998	69548
8758	.40494	40990	41486	41982	42477	42973	43469	43965	44461	44957	69548
8759	.45453	45948	46444	46940	47436	47932	48427	48923	49419	49915	69548
8760	.50411	50906	51402	51897	52394	52889	53385	53881	54377	54872	69548
8761	.55368	55864	56359	56855	57351	57847	58342	58837	59334	59829	69548
8762	.60325	60821	61316	61812	62307	62803	63299	63794	64290	64786	69548
8763	.65281	65777	66272	66767	67263	67759	68255	68750	69246	69741	69460
8764	.70237	70732	71227	71723	72219	72714	73210	73705	74201	74696	69460
8765	.75192	75687	76183	76678	77174	77669	78165	78660	79156	79651	69460
8766	80147	80642	81137	81633	82128	82624	83119	83615	84109	84605	69460
8767	.85101	85596	86091	86587	87082	87577	88073	88568	89063	89559	69460
8768	.90054	90549	91045	91540	92035	92531	93026	93521	94016	94512	69460
8769	.95007	95502	95997	96493	96988	97483	97978	98474	98969	99464	69460
8770	.99959	00454	00950	01445	01940	02435	02930	03426	03921	04416	69460
8771	943.04911	05406	05901	06397	06892	07387	07882	08377	08872	09367	69460
8772	.09862	10357	10852	11347	11843	12337	12833	13327	13823	14317	69460
8773	.14813	15307	15803	16298	16793	17288	17783	18278	18773	19268	69460
8774	.19763	20257	20753	21247	21743	22237	22733	23227	23723	24217	69460
8775	.24712	25207	25702	26197	26692	27187	27682	28177	28672	29167	69460
8776	.29661	30156	30651	31146	31641	32136	32631	33125	33620	34115	69460
8777	.34610	35105	35599	36094	36589	37084	37579	38073	38568	39063	69460
8778	.39557	40052	40547	41042	41537	42031	42526	43021	43516	44010	69460
8779	.44505	44999	45494	45989	46484	46978	47473	47967	48462	48957	69460
8780	.49451	49946	50441	50935	51430	51925	52419	52914	53409	53903	69460
8781	.54397	54892	55387	55881	56376	56871	57365	57860	58354	58849	69372
8782	.59343	59837	60332	60827	61321	61816	62310	62805	63299	63794	69372
8783	.64288	64783	65277	65772	66266	66761	67255	67749	68244	68738	69372
8784	.69233	69727	70222	70716	71210	71705	72199	72693	73187	73682	69372
8785	.74177	74671	75165	75659	76154	76648	77143	77637	78131	78626	69372
8786	.79120	79614	80108	80603	81097	81591	82086	82579	83074	83568	69372
8787	.84063	84557	85051	85545	86039	86534	87028	87522	88016	88511	69372
8788	.89005	89499	89993	90487	90982	91476	91970	92464	92958	93452	69372
8789	.93946	94441	94935	95429	95923	96417	96911	97405	97899	98393	69372
8790	.98887	99381	99876	00370	00864	01357	01852	02346	02840	03334	69372
8791	944.03828	04322	04816	05310	05804	06298	06792	07286	07780	08274	69372
8792	.08767	09262	09756	10250	10744	11237	11732	12226	12719	13213	69372
8793	.13707	14201	14695	15189	15683	16177	16671	17165	17658	18152	69372
8794	.18646	19140	19634	20127	20622	21115	21609	22103	22597	23091	69372
8795	.23584	24078	24572	25065	25560	26053	26547	27041	27535	28028	69372
8796	.28522	29016	29510	30003	30497	30991	31484	31978	32472	32966	69372
8797	.33459	33953	34446	34940	35434	35927	36421	36915	37409	37902	69372
8798	.38396	38889	39383	39877	40370	40864	41357	41851	42345	42838	69372
8799	.43332	43825	44319	44812	45306	45799	46293	46787	47280	47774	69284

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8800	944·48267	48761	49254	49747	50241	50735	51228	51722	52215	52709	69284
8801	·53202	53696	54189	54683	55176	55669	56163	56656	57150	57643	69284
8802	·58136	58630	59123	59617	60110	60603	61097	61590	62083	62577	69284
8803	·63070	63564	64057	64550	65044	65537	66030	66523	67017	67510	69284
8804	·68003	68497	68990	69483	69977	70470	70963	71456	71950	72443	69284
8805	·72936	73429	73922	74416	74909	75402	75895	76389	76882	77375	69284
8806	·77868	78361	78854	79348	79841	80334	80827	81320	81813	82307	69284
8807	·82799	83293	83786	84279	84772	85265	85758	86251	86744	87238	69284
8808	·87731	88224	88717	89210	89703	90196	90689	91182	91675	92167	69284
8809	·92661	93154	93647	94140	94633	95126	95619	96112	96605	97097	69284
8810	·97591	98084	98577	99070	99563	00056	00548	01041	01534	02027	69284
8811	945·02520	03013	03506	03999	04492	04985	05477	05970	06463	06956	69284
8812	·07449	07942	08435	08927	09420	09913	10406	10899	11391	11884	69284
8813	·12377	12870	13362	13855	14348	14841	15334	15826	16319	16812	69284
8814	·17305	17797	18290	18783	19276	19768	20261	20754	21246	21739	69284
8815	·22232	22724	23217	23710	24202	24695	25187	25680	26173	26666	69284
8816	·27158	27651	28143	28636	29129	29621	30114	30606	31099	31592	69284
8817	·32084	32577	33069	33562	34054	34547	35039	35532	36024	36517	69196
8818	·37009	37502	37994	38487	38979	39472	39964	40457	40949	41442	69196
8819	·41934	42427	42919	43412	43904	44396	44889	45381	45874	46366	69196
8820	·46859	47351	47843	48336	48828	49320	49813	50305	50797	51290	69196
8821	·51781	52271	52767	53259	53752	54244	54736	55228	55721	56213	69196
8822	·56705	57197	57690	58182	58674	59167	59659	60151	60643	61136	69196
8823	·61627	62120	62612	63105	63597	64089	64581	65073	65566	66057	69196
8824	·66550	67042	67534	68026	68519	69011	69503	69995	70487	70979	69196
8825	·71471	71964	72456	72947	73440	73932	74424	74916	75408	75900	69196
8826	·76392	76884	77376	77868	78361	78853	79345	79837	80329	80821	69196
8827	·81313	81805	82297	82789	83281	83773	84265	84757	85249	85741	69196
8828	·86232	86724	87216	87708	88200	88692	89184	89676	90167	90660	69196
8829	·91152	91644	92135	92627	93119	93611	94103	94595	95087	95579	69196
8830	·96070	96562	97054	97546	98037	98529	99021	99513	00005	00497	69196
8831	946·00988	01480	01972	02464	02955	03447	03939	04431	04923	05414	69196
8832	·05906	06397	06889	07381	07873	08365	08856	09348	09840	10331	69196
8833	·10823	11315	11806	12298	12790	13281	13773	14265	14756	15247	69196
8834	·15739	16231	16723	17214	17706	18197	18689	19181	19672	20164	69196
8835	·20655	21147	21639	22130	22622	23113	23605	24096	24587	25079	69108
8836	·25571	26062	26554	27045	27537	28028	28519	29011	29503	29994	69108
8837	·30486	30977	31468	31960	32451	32943	33434	33926	34417	34908	69108
8838	·35400	35891	36383	36874	37365	37857	38347	38839	39331	39822	69108
8839	·40313	40805	41296	41787	42279	42770	43261	43753	44244	44735	69108
8840	·45227	45717	46209	46700	47192	47683	48174	48665	49157	49647	69108
8841	·50139	50630	51122	51613	52104	52595	53086	53577	54069	54560	69108
8842	·55051	55542	56033	56525	57016	57507	57997	58489	58980	59471	69108
8843	·59963	60454	60945	61436	61927	62418	62909	63400	63891	64382	69108
8844	·64873	65364	65856	66347	66837	67329	67820	68311	68802	69293	69108
8845	·69784	70275	70766	71257	71747	72239	72730	73221	73712	74203	69108
8846	·74694	75184	75675	76166	76657	77149	77639	78130	78621	79112	69108
8847	·79603	80094	80585	81075	81566	82057	82548	83039	83530	84021	69108
8848	·84511	85002	85493	85984	86475	86966	87456	87947	88437	88929	69108
8849	·89420	89910	90401	90892	91383	91873	92364	92855	93346	93836	69108

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8850	946.94327	94817	95309	95799	96290	96781	97271	97762	98253	98743	69108
8851	.99234	99725	00215	00706	01197	01687	02178	02669	03159	03650	69108
8852	947.04141	04631	05122	05612	06103	06594	07084	07575	08065	08556	69108
8853	.09046	09537	10027	10518	11009	11499	11990	12480	12971	13461	69019
8854	.13952	14442	14933	15423	15914	16404	16895	17385	17876	18366	69019
8855	.18857	19347	19837	20327	20818	21309	21799	22290	22779	23270	69019
8856	.23761	24251	24742	25232	25722	26213	26703	27193	27684	28174	69019
8857	.28664	29155	29645	30135	30626	31116	31606	32097	32587	33077	69019
8858	.33567	34057	34548	35039	35529	36019	36509	36999	37490	37979	69019
8859	.38470	38960	39451	39941	40431	40921	41411	41902	42392	42882	69019
8860	.43372	43862	44353	44843	45333	45823	46313	46803	47293	47784	69019
8861	.48274	48764	49254	49744	50234	50724	51214	51704	52194	52685	69019
8862	.53174	53665	54155	54645	55135	55625	56115	56605	57095	57585	69019
8863	.58075	58565	59055	59545	60035	60525	61015	61505	61995	62485	69019
8864	.62975	63465	63955	64445	64935	65424	65914	66404	66894	67384	69019
8865	.67874	68364	68854	69344	69834	70323	70813	71303	71793	72283	69019
8866	.72773	73263	73752	74242	74732	75222	75712	76201	76691	77181	69019
8867	.77671	78161	78650	79140	79630	80120	80609	81099	81589	82079	69019
8868	.82568	83058	83547	84037	84527	85017	85507	85996	86486	86976	69019
8869	.87465	87955	88445	88934	89424	89914	90403	90893	91383	91872	69019
8870	.92362	92852	93341	93831	94320	94810	95300	95789	96279	96768	69019
8871	.97257	97747	98237	98727	99216	99706	00195	00685	01174	01664	68930
8872	948.02153	02643	03132	03622	04111	04601	05090	05579	06069	06559	68930
8873	.07048	07538	08027	08517	09006	09495	09985	10474	10964	11453	68930
8874	.11942	12432	12921	13411	13900	14389	14879	15368	15857	16347	68930
8875	.16836	17326	17815	18304	18794	19283	19772	20261	20751	21240	68930
8876	.21729	22219	22707	23197	23686	24176	24665	25154	25644	26133	68930
8877	.26622	27111	27600	28090	28579	29068	29557	30047	30536	31025	68930
8878	.31514	32003	32492	32982	33471	33960	34449	34938	35427	35916	68930
8879	.36406	36895	37384	37873	38362	38851	39340	39829	40318	40807	68930
8880	.41297	41786	42275	42764	43253	43742	44231	44720	45209	45697	68930
8881	.46187	46676	47165	47654	48143	48632	49121	49610	50099	50587	68930
8882	.51077	51566	52055	52544	53033	53522	54011	54499	54988	55477	68930
8883	.55966	56455	56944	57433	57922	58411	58899	59388	59877	60366	68930
8884	.60855	61344	61833	62322	62810	63299	63788	64277	64766	65254	68930
8885	.65743	66232	66721	67210	67698	68187	68676	69165	69653	70142	68930
8886	.70631	71120	71609	72097	72586	73075	73563	74052	74541	75029	68930
8887	.75518	76007	76495	76984	77473	77961	78450	78939	79427	79916	68930
8888	.80405	80893	81382	81870	82359	82847	83336	83825	84313	84802	68930
8889	.85291	85779	86268	86756	87245	87733	88222	88711	89199	89687	68841
8890	.90176	90665	91153	91642	92130	92619	93107	93596	94084	94573	68841
8891	.95061	95549	96038	96526	97015	97503	97992	98480	98969	99457	68841
8892	.99945	00434	00922	01411	01899	02387	02876	03364	03853	04341	68841
8893	949.04829	05317	05806	06294	06783	07271	07759	08247	08736	09224	68841
8894	.09713	10201	10689	11177	11666	12154	12642	13130	13619	14107	68841
8895	.14595	15083	15572	16060	16548	17036	17525	18013	18501	18989	68841
8896	.19477	19966	20454	20942	21430	21918	22406	22895	23383	23871	68841
8897	.24359	24847	25335	25823	26312	26799	27287	27776	28264	28752	68841
8898	.29240	29728	30216	30704	31192	31680	32169	32657	33145	33633	68841
8899	.34121	74609	35097	35585	36073	36561	37049	37537	38025	38513	68841

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8900	949·39001	39489	39977	40465	40953	41440	41928	42416	42904	43392	68841
8901	·43880	44368	44856	45343	45832	46320	46807	47295	47783	48271	68841
8902	·48759	49247	49735	50223	50710	51198	51686	52174	52662	53150	68841
8903	·53637	54125	54613	55101	55589	56075	56564	57052	57540	58027	68841
8904	·58515	59003	59491	59978	60466	60954	61442	61929	62417	62905	68841
8905	·63392	63880	64367	64855	65343	65831	66319	66806	67294	67781	68841
8906	·68269	68757	69244	69732	70220	70707	71195	71682	72170	72657	68841
8907	·73145	73633	74120	74607	75096	75583	76071	76558	77046	77533	68752
8908	·78021	78508	78996	79483	79971	80458	80946	81433	81921	82408	68752
8909	·82896	83383	83871	84358	84846	85333	85821	86308	86796	87283	68752
8910	·87770	88257	88745	89233	89720	90207	90695	91182	91670	92157	68752
8911	·92644	93132	93619	94106	94594	95081	95568	96056	96543	97030	68752
8912	·97517	98005	98492	98979	99467	99954	00442	00929	01416	01903	68752
8913	950·02391	02877	03365	03852	04340	04827	05314	05801	06289	06775	68752
8914	·07263	07750	08237	08724	09212	09699	10186	10673	11160	11647	68752
8915	·12135	12622	13109	13596	14083	14570	15057	15545	16032	16519	68752
8916	·17006	17493	17980	18467	18954	19441	19928	20415	20903	21390	68752
8917	·21877	22364	22851	23337	23825	24312	24799	25286	25773	26260	68752
8918	·26747	27234	27721	28207	28695	29182	29669	30156	30643	31129	68752
8919	·31616	32103	32590	33077	33564	34051	34537	35025	35512	35999	68752
8920	·36485	36972	37459	37945	38433	38920	39407	39893	40380	40867	68752
8921	·41354	41841	42327	42814	43301	43787	44275	44762	45248	45735	68752
8922	·46222	46709	47195	47682	48169	48656	49142	49629	50116	50603	68752
8923	·51089	51576	52063	52549	53036	53523	54009	54496	54983	55470	68752
8924	·55956	56443	56929	57416	57903	58389	58876	59363	59849	60336	68752
8925	·60822	61309	61796	62282	62769	63255	63742	64229	64715	65202	68752
8926	·65688	66175	66651	67147	67634	68121	68607	69094	69580	70067	68663
8927	·70553	71040	71526	72013	72499	72986	73472	73959	74445	74932	68663
8928	·75418	75905	76391	76877	77364	77850	78337	78823	79310	79796	68663
8929	·80282	80769	81255	81741	82227	82714	83201	83687	84173	84660	68663
8930	·85146	85632	86119	86605	87091	87577	88064	88550	89036	89522	68663
8931	·90009	90495	90981	91467	91954	92440	92927	93413	93899	94385	68663
8932	·94871	95357	95843	96330	96816	97302	97789	98275	98761	99247	68663
8933	·99733	00220	00706	01192	01678	02164	02650	03136	03623	04109	68663
8934	951·04595	05081	05567	06053	06539	07025	07511	07997	08484	08970	68663
8935	·09456	09942	10427	10914	11400	11886	12372	12857	13343	13830	68663
8936	·14316	14802	15288	15774	16260	16746	17232	17717	18204	18690	68663
8937	·19176	19662	20147	20634	21120	21605	22091	22577	23063	23549	68663
8938	·24035	24521	25007	25493	25979	26464	26950	27436	27922	28407	68663
8939	·28894	29379	29865	30351	30837	31323	31809	32294	32780	33266	68663
8940	·33752	34237	34723	35209	35695	36181	36667	37152	37638	38124	68663
8941	·38609	39095	39581	40067	40552	41038	41524	42009	42495	42981	68663
8942	·43467	43952	44437	44924	45409	45895	46381	46866	47352	47837	68663
8943	·48323	48809	49294	49779	50266	50751	51237	51722	52207	52693	68663
8944	·53179	53665	54150	54636	55121	55607	56092	56577	57063	57549	68574
8945	·58034	58520	59006	59491	59976	60462	60947	61433	61918	62404	68574
8946	·62889	63375	63860	64346	64831	65317	65802	66287	66773	67258	68574
8947	·67744	68229	68715	69200	69685	70171	70656	71141	71627	72112	68574
8948	·72597	73083	73568	74054	74539	75024	75510	75995	76480	76965	68574
8949	·77451	77936	78421	78907	79392	79877	80363	80847	81333	81818	68574

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8950	951.82304	82789	83274	83759	84244	84730	85215	85700	86185	86671	68574
8951	.87156	87641	88126	88611	89096	89582	90067	90552	91037	91522	68574
8952	.92007	92492	92977	93463	93947	94433	94918	95403	95888	96373	68574
8953	.96858	97344	97829	98314	98799	99284	99769	00254	00739	01224	68574
8954	952.01709	02194	02679	03164	03649	04134	04619	05104	05589	06074	68574
8955	.06559	07043	07529	08014	08499	08984	09469	09954	10439	10924	68574
8956	.11408	11893	12378	12863	13348	13833	14317	14803	15287	15773	68574
8957	.16257	16742	17227	17712	18197	18682	19167	19651	20136	20621	68574
8958	.21106	21591	22075	22560	23045	23530	24015	24499	24984	25469	68574
8959	.25954	26438	26923	27407	27893	28377	28862	29347	29832	30316	68574
8960	.30801	31286	31770	32255	32740	33224	33709	34194	34678	35163	68574
8961	.35647	36132	36617	37102	37586	38071	38555	39040	39525	40009	68574
8962	.40494	40979	41463	41947	42432	42917	43401	43886	44371	44855	68484
8963	.45340	45824	46309	46793	47277	47762	48247	48731	49216	49700	68484
8964	.50185	50669	51153	51638	52123	52607	53092	53576	54061	54545	68484
8965	.55029	55514	55998	56483	56967	57451	57936	58420	58905	59389	68484
8966	.59873	60357	60842	61326	61811	62295	62779	63264	63748	64233	68484
8967	.64717	65201	65686	66170	66654	67139	67623	68107	68591	69076	68484
8968	.69560	70044	70528	71013	71497	71981	72465	72950	73434	73918	68484
8969	.74402	74887	75371	75855	76339	76823	77307	77792	78276	78760	68484
8970	.79244	79728	80213	80697	81181	81665	82149	82633	83117	83602	68484
8971	.84086	84570	85054	85537	86022	86506	86990	87474	87958	88442	68484
8972	.88926	89411	89895	90379	90863	91347	91831	92315	92799	93283	68484
8973	.93767	94251	94735	95219	95703	96187	96671	97155	97639	98123	68484
8974	.98607	99090	99574	00058	00542	01026	01510	01994	02477	02962	68484
8975	953.03446	03929	04414	04897	05381	05865	06349	06833	07317	07801	68484
8976	.08284	08768	09252	09736	10220	10704	11187	11671	12155	12639	68484
8977	.13123	13606	14090	14574	15057	15541	16025	16509	16993	17476	68484
8978	.17960	18444	18927	19411	19895	20379	20862	21346	21830	22313	68484
8979	.22797	23281	23765	24248	24732	25215	25699	26183	26666	27150	68484
8980	.27634	28117	28601	29085	29568	.30052	30535	31019	31502	31986	68484
8981	.32470	32953	33437	33920	34404	34887	35371	35855	36338	36822	68394
8982	.37305	37789	38272	38756	39239	39723	40206	40690	41173	41657	68394
8983	.42140	42623	43107	43590	44074	44557	45041	45524	46007	46491	68394
8984	.46974	47457	47941	48425	48907	49391	49875	50358	50841	51325	68394
8985	.51808	52292	52775	53258	53742	54225	54708	55192	55675	56158	68394
8986	.56641	57125	57608	58091	58575	59057	59541	60024	60507	60991	68394
8987	.61474	61957	62441	62924	63407	63890	64374	64857	65339	65823	68394
8988	.66306	66789	67273	67756	68239	68722	69205	69689	70172	70655	68394
8989	.71138	71621	72104	72587	73071	73554	74037	74520	75003	75486	68394
8990	.75969	76452	76935	77418	77901	78385	78867	79351	79834	80317	68394
8991	.80799	81283	81766	82249	82732	83215	83697	84181	84664	85147	68394
8992	.85630	86113	86596	87079	87562	88045	88527	89011	89493	89976	68394
8993	.90459	90942	91425	91908	92391	92874	93357	93840	94323	94805	68394
8994	.95288	95771	96254	96737	97220	97703	98185	98668	99151	99634	68394
8995	954.00117	00600	01082	01565	02048	02531	03014	03496	03979	04462	68394
8996	.04945	05427	05910	06393	06876	07358	07841	08324	08807	09289	68394
8997	.09772	10255	10737	11220	11703	12186	12668	13151	13634	14116	68394
8998	.14599	15082	15564	16047	16529	17012	17495	17977	18460	18942	68394
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Chiliades centum Logarithmorum.

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9101	.08911	09388	09865	10343	10820	11297	11775	12252	12729	13206	67851
9102	.13683	14160	14637	15114	15592	16068	16546	17023	17500	17977	67851
9103	.18454	18931	19408	19886	20363	20840	21317	21794	22271	22748	67851
9104	.23225	23702	24178	24655	25133	25610	26087	26564	27041	27518	67851
9105	.27995	28472	28948	29426	29903	30380	30857	31334	31811	32288	67851
9106	.32765	33242	33718	34195	34672	35149	35626	36103	36580	37057	67851
9107	.37534	38011	38487	38964	39441	39918	40395	40872	41348	41825	67851
9108	.42302	42779	43256	43733	44209	44686	45163	45640	46117	46593	67851
9109	.47070	47547	48024	48500	48977	49454	49931	50408	50884	51361	67851
9110	.51838	52314	52791	53268	53744	54221	54698	55175	55651	56128	67851
9111	.56605	57081	57558	58035	58511	58988	59465	59941	60418	60894	67851
9112	.61371	61848	62324	62801	63278	63754	64231	64707	65184	65660	67851
9113	.66137	66614	67090	67567	68043	68520	68996	69473	69949	70426	67760
9114	.70902	71378	71855	72331	72808	73285	73761	74238	74714	75191	67760
9115	.75667	76144	76620	77097	77573	78049	78526	79002	79479	79955	67760
9116	.80432	80908	81384	81861	82337	82814	83290	83766	84243	84719	67760
9117	.85195	85672	86148	86625	87101	87577	88053	88530	89006	89482	67760
9118	.89959	90435	90911	91388	91864	92340	92817	93293	93769	94245	67760
9119	.94722	95198	95674	96150	96626	97103	97579	98055	98531	99008	67760
9120	.99484	99960	00436	00912	01389	01865	02341	02817	03293	03769	67760
9121	960.04246	04722	05198	05674	06150	06626	07102	07578	08055	08531	67760
9122	.09007	09483	09959	10435	10911	11387	11863	12339	12815	13291	67760
9123	.13767	14244	14719	15195	15672	16147	16623	17100	17576	18052	67760
9124	.18527	19004	19480	19955	20432	20908	21383	21859	22335	22811	67760
9125	.23287	23763	24239	24715	25191	25667	26143	26618	27095	27571	67760
9126	.28046	28522	28998	29474	29950	30426	30902	31377	31853	32329	67769
9127	.32805	33281	33757	34232	34708	35184	35660	36136	36612	37087	67760
9128	.37563	38039	38515	38990	39466	39942	40418	40893	41369	41845	67760
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9132	.56590	57066	57541	58017	58493	58968	59443	59919	60395	60870	67669
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9137	.80362	80838	81313	81788	82264	82739	83214	83689	84165	84640	67669
9138	.85115	85591	86066	86541	87016	87492	87967	88442	88917	89393	67669
9139	.89868	90343	90818	91293	91768	92244	92719	93194	93669	94144	67669
9140	.94620	95095	95570	96045	96520	96995	97470	97945	98421	98896	67669
9141	.99371	99846	00321	00796	01271	01746	02221	02697	03172	03647	67669
9142	961.04122	04597	05072	05547	06022	06497	06972	07447	07922	08397	67669
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9147	.27868	28343	28817	29292	29767	30242	30717	31191	31666	32141	67669
9148	.32616	33090	33565	34040	34514	34989	35464	35939	36413	36888	67669
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9153	.56346	56821	57295	57770	58244	58719	59193	59667	60142	60616	67577
9154	.61091	61565	62040	62514	62988	63463	63937	64412	64886	65360	67577
9155	.65835	66309	66784	67258	67732	68207	68681	69155	69630	70104	67577
9156	.70578	71053	71527	72001	72476	72950	73424	73898	74373	74847	67577
9157	.75321	75796	76270	76744	77218	77693	78167	78641	79115	79590	67577
9158	.80064	80538	81012	81487	81961	82435	82909	83383	83857	84332	67577
9159	.84806	85280	85754	86228	86703	87177	87651	88125	88599	89073	67577
9160	.89547	90021	90496	90970	91444	91918	92392	92866	93340	93814	67577
9161	.94288	94762	95236	95710	96185	96658	97133	97607	98081	98555	67577
9162	.99029	99503	99977	00451	00925	01398	01873	02347	02821	03295	67577
9163	962.03769	04243	04717	05191	05664	06138	06612	07086	07560	08034	67577
9164	.08508	08982	09456	09930	10404	10877	11351	11825	12299	12773	67577
9165	.13247	13721	14195	14668	15142	15616	16090	16564	17037	17511	67577
9166	.17985	18459	18933	19407	19880	20354	20828	21302	21776	22249	67577
9167	.22723	23197	23671	24144	24618	25092	25566	26039	26513	26987	67577
9168	.27460	27934	28408	28882	29355	29829	30303	30776	31250	31724	67577
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9170	.36933	37407	37881	38354	38827	39302	39775	40248	40722	41196	67577
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9178	.74805	75278	75752	76225	76698	77171	77644	78117	78591	79064	67486
9179	.79537	80010	80483	80956	81429	81903	82376	82848	83322	83795	67486
9180	.84268	84741	85214	85687	86160	86633	87107	87580	88053	88526	67486
9181	.88999	89472	89945	90418	90891	91364	91837	92310	92783	93255	67486
9182	.93729	94202	94675	95147	95621	96094	96567	97040	97513	97986	67486
9183	.98458	98931	99404	99877	00350	00823	01296	01769	02242	02715	67486
9184	963.03187	03660	04133	04606	05079	05552	06025	06497	06970	07443	67486
9185	.07916	08388	08862	09335	09807	10280	10753	11226	11699	12171	67486
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9187	.17372	17844	18317	18790	19263	19735	20207	20681	21153	21626	67486
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9194	.50450	50922	51395	51867	52339	52812	53284	53756	54228	54701	67394
9195	.55173	55646	56118	56590	57063	57535	58007	58479	58952	59424	67394
9196	.59895	60368	60841	61313	61785	62257	62730	63202	63674	64146	67394
9197	.64618	65091	65563	66035	66507	66980	67452	67924	68396	68868	67394
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9202	·88223	88695	89167	89639	90111	90583	91054	91526	91998	92470	67394
9203	·92942	93414	93886	94358	94830	95302	95774	96245	96717	97189	67394
9204	·97661	98132	98605	99076	99548	00020	00492	00964	01436	01907	67394
9205	964·02379	02851	03322	03795	04266	04738	05210	05682	06154	06625	67394
9206	·07097	07569	08041	08512	08984	09456	09927	10399	10871	11343	67394
9207	·11814	12286	12758	13229	13701	14173	14644	15116	15588	16059	67394
9208	·16531	17003	17474	17946	18418	18889	19361	19832	20304	20776	67394
9209	·21247	21719	22190	22662	23134	23605	24077	24548	25020	25491	67302
9210	·25963	26435	26906	27377	27849	28321	28792	29264	29735	30207	67302
9211	·30678	31150	31621	32093	32564	33036	33507	33979	34450	34921	67302
9212	·35393	35864	36336	36807	37279	37750	38222	38693	39164	39636	67302
9213	·40107	40578	41049	41521	41993	42464	42935	43407	43878	44349	67302
9214	·44821	45292	45763	46235	46706	47177	47649	48120	48591	49063	67302
9215	·49534	50005	50477	50948	51419	51890	52362	52833	53304	53775	67302
9216	·54247	54717	55189	55660	56132	56603	57074	57545	58016	58487	67302
9217	·58958	59430	59901	60372	60843	61315	61786	62257	62728	63199	67302
9218	·63670	64142	64613	65084	65555	66026	66497	66968	67439	67910	67302
9219	·68382	68853	69324	69795	70266	70737	71208	71678	72150	72621	67302
9220	·73092	73563	74034	74505	74976	75447	75918	76389	76860	77331	67302
9221	·77802	78273	78744	79216	79686	80157	80628	81099	81570	82041	67302
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9223	·87221	87692	88163	88633	89104	89575	90046	90517	90987	91459	67302
9224	·91929	92400	92871	93342	93813	94284	94754	95225	95696	96167	67302
9225	·96637	97108	97579	98050	98521	98991	99462	99933	00404	00874	67302
9226	965·01345	01816	02286	02757	03227	03698	04169	04640	05111	05581	67302
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9229	·15465	15935	16406	16876	17347	17817	18288	18759	19229	19700	67209
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9232	·29579	30050	30520	30991	31461	31932	32402	32872	33343	33813	67209
9233	·34284	34754	35224	35695	36165	36635	37106	37576	38046	38517	67209
9234	·38987	39457	39928	40398	40868	41338	41808	42279	42749	43220	67209
9235	·43690	44160	44631	45101	45571	46041	46512	46982	47452	47922	67209
9236	·48392	48863	49333	49803	50273	50743	51213	51683	52154	52624	67209
9237	·53094	53564	54035	54505	54975	55445	55915	56385	56855	57326	67209
9238	·57796	58266	58736	59206	59676	60146	60616	61086	61557	62027	67209
9239	·62497	62967	63437	63907	64377	64847	65317	65787	66257	66727	67209
9240	·67197	67667	68137	68607	69077	69547	70017	70487	70957	71427	67209
9241	·71897	72367	72837	73307	73777	74247	74717	75187	75657	76127	67209
9242	·76596	77066	77536	78006	78476	78946	79416	79885	80355	80825	67209
9243	·81295	81765	82235	82705	83175	83645	84114	84584	85054	85524	67209
9244	·85993	86463	86933	87403	88773	88343	88812	89282	89752	90222	67209
9245	·90692	91161	91631	92101	92571	93040	93510	93980	94449	94919	67209
9246	·95389	95858	96328	96798	97268	97737	98207	98677	99146	99616	67209
9247	966·00086	00555	01025	01495	01964	02434	02904	03373	03843	04313	67209
9248	·04782	05252	05721	06191	06661	07130	07600	08069	08539	09008	67209
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9252	.23562	24032	24501	24971	25440	25909	26378	26848	27317	27787	67117
9253	.28256	28726	29195	29664	30134	30603	31072	31542	32011	32480	67117
9254	.32950	33419	33888	34357	34827	35296	35765	36234	36704	37173	67117
9255	.37642	38112	38581	39050	39519	39989	40458	40927	41396	41865	67117
9256	.42335	42804	43273	43742	44211	44681	45150	45619	46088	46557	67117
9257	.47026	47496	47965	48434	48903	49372	49841	50310	50780	51248	67117
9258	.51718	52187	52655	53125	53594	54063	54532	55001	55470	55939	67117
9259	.56408	56877	57347	57815	58285	58754	59223	59692	60161	60630	67117
9260	.61098	61568	62037	62505	62975	63444	63913	64382	64851	65319	67117
9261	.65788	66257	66726	67195	67664	68133	68602	69071	69540	70009	67117
9262	.70477	70947	71415	71884	72353	72822	73291	73760	74229	74698	67117
9263	.75166	75635	76104	76573	77042	77511	77979	78448	78917	79386	67117
9264	.79855	80323	80792	81261	81730	82199	82667	83136	83605	84074	67117
9265	.84542	85011	85480	85948	86417	86886	87355	87823	88292	88761	67117
9266	.89230	89698	90167	90636	91104	91573	92042	92510	92979	93447	67117
9267	.93916	94385	94853	95322	95791	96259	96728	97197	97665	98134	67117
9268	.98603	99071	99540	00008	00477	00945	01414	01883	02351	02820	67117
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9270	.07973	08442	08910	09379	09847	10316	10784	11253	11721	12190	67024
9271	.12658	13127	13595	14063	14532	15000	15468	15937	16405	16874	67024
9272	.17342	17811	18279	18747	19216	19684	20153	20621	21089	21557	67024
9273	.22026	22494	22963	23431	23899	24367	24835	25304	25773	26241	67024
9274	.26709	27177	27645	28114	28582	29051	29518	29987	30455	30923	67024
9275	.31392	31860	32328	32797	33265	33733	34201	34669	35137	35606	67024
9276	.36074	36542	37010	37478	37947	38415	38883	39351	39819	40287	67024
9277	.40756	41224	41692	42160	42628	43096	43564	44033	44501	44968	67024
9278	.45437	45905	46373	46841	47309	47777	48245	48713	49181	49649	67024
9279	.50117	50585	51054	51522	51989	52458	52925	53394	53862	54330	67024
9280	.54798	55266	55734	56202	56670	57138	57605	58073	58541	59009	67024
9281	.59477	59945	60413	60881	61349	61817	62285	62753	63221	63688	67024
9282	.64156	64624	65092	65560	66028	66496	66964	67432	67899	68367	67024
9283	.68835	69303	69771	70238	70706	71174	71642	72110	72577	73045	67024
9284	.73513	73981	74449	74917	75384	75852	76320	76788	77255	77723	67024
9285	.78191	78658	79126	79594	80062	80529	80997	81465	81933	82400	67024
9286	.82868	83335	83803	84271	84738	85206	85674	86142	86609	87077	67024
9287	.87544	88012	88480	88947	89415	89883	90350	90817	91285	91753	67024
9288	.92221	92688	93156	93623	94091	94558	95026	95494	95961	96428	66931
9289	.96896	97364	97831	98299	98766	99234	99701	00169	00636	01104	66931
9290	968.01571	02039	02506	02974	03441	03909	04376	04844	05311	05778	66931
9291	.06246	06713	07181	07648	08116	08583	09051	09518	09985	10453	66931
9292	.10920	11387	11855	12322	12789	13257	13724	14192	14659	15126	66931
9293	.15594	16061	16528	16995	17463	17930	18398	18865	19332	19799	66931
9294	.20267	20734	21201	21668	22135	22603	23070	23538	24005	24472	66931
9295	.24939	25407	25874	26341	26808	27275	27743	28210	28677	29144	66931
9296	.29612	30078	30545	31013	31480	31947	32415	32882	33348	33816	66931
9297	.34283	34750	35217	35684	36152	36618	37085	37553	38020	38487	66931
9298	.38954	39421	39888	40355	40822	41289	41757	42223	42691	43158	66931
9299	.43625	44092	44559	45026	45493	45960	46427	46894	47361	47828	66931

Chiliades centum Logarithmorum.

Num	0	1	2	3	4	5	6	7	8	9	Lo.D 2
9300	968.48295	48762	49229	49696	50163	50630	51097	51564	52031	52497	66931
9301	.52964	53431	53898	54365	54832	55299	55766	56233	56700	57167	66931
9302	.57634	58100	58567	59034	59501	59967	60435	60902	61368	61835	66931
9303	.62302	62769	63236	63703	64169	64636	65103	65570	66037	66503	66931
9304	.66970	67437	67904	68371	68837	69304	69771	70237	70704	71171	66931
9305	.71637	72104	72571	73038	73505	73971	74438	74905	75371	75838	66931
9306	.76305	76772	77238	77705	78172	78638	79105	79571	80038	80505	66931
9307	.80971	81438	81905	82371	82838	83304	83771	84237	84704	85171	66931
9308	.85637	86104	86571	87037	87504	87970	88437	88903	89370	89837	66838
9309	.90303	90769	91236	91703	92169	92636	93102	93568	94035	94502	66838
9310	.94968	95435	95901	96367	96834	97300	97767	98233	98700	99166	66838
9311	.99633	00099	00565	01032	01498	01965	02431	02897	03364	03830	66838
9312	969.04297	04763	05229	05696	06162	06628	07095	07561	08027	08494	66838
9313	.08960	09427	09893	10359	10826	11292	11758	12224	12691	13157	66838
9314	.13623	14090	14556	15022	15488	15955	16421	16887	17353	17820	66838
9315	.18286	18752	19218	19685	20151	20617	21083	21549	22016	22482	66838
9316	.22948	23414	23880	24347	24813	25279	25745	26211	26677	27143	66838
9317	.27609	28076	28542	29007	29474	29940	30406	30872	31338	31805	66838
9318	.32271	32737	33203	33668	34135	34601	35067	35533	35999	36465	66838
9319	.36931	37397	37863	38329	38795	39261	39727	40193	40659	41125	66838
9320	.41591	42057	42523	42989	43455	43921	44387	44853	45318	45785	66838
9321	.46251	46717	47183	47648	48114	48580	49046	49512	49978	50444	66838
9322	.50910	51376	51841	52307	52773	53239	53705	54171	54637	55103	66838
9223	.55568	56034	56500	56966	57432	57897	58363	58829	59295	59761	66838
9324	.60226	60692	61158	61624	62089	62555	63021	63487	63953	64418	66838
9325	.64884	65350	65816	66281	66747	67213	67678	68144	68610	69075	66838
9326	.69541	70007	70472	70938	71404	71869	72335	72801	73266	73732	66838
9327	.74197	74663	75129	75595	76060	76526	76991	77457	77923	78388	66838
9328	.78854	79319	79785	80250	80716	81182	81647	82113	82578	83044	66745
9329	.83509	83975	84440	84906	85372	85837	86302	86767	87233	87699	66745
9330	.88164	88630	89095	89561	90026	90492	90957	91423	91888	92353	66745
9331	.92819	93284	93750	94215	94681	95146	95611	96077	96542	97007	66745
9332	.97473	97938	98404	98869	99335	99800	00265	00731	01196	01661	66745
9333	970.02127	02592	03057	03523	03988	04453	04918	05384	05849	06314	66745
9334	.06780	07245	07710	08175	08641	09106	09571	10037	10502	10967	66745
9335	.11432	11897	12363	12828	13293	13758	14224	14689	15154	15619	66745
9336	.16084	16549	17015	17480	17945	18410	18875	19340	19806	20271	66745
9337	.20736	21201	21666	22131	22596	23061	23527	23992	24457	24922	66745
9338	.25387	25852	26317	26782	27247	27712	28177	28642	29107	29573	66745
9339	.30037	30503	30967	31433	31897	32363	32827	33293	33757	34223	66745
9340	.34688	35153	35617	36083	36547	37012	37477	37942	38407	38872	66745
9341	.39337	39802	40267	40732	41197	41662	42127	42592	43057	43521	66745
9342	.43986	44451	44916	45381	45846	46311	46776	47240	47705	48170	66745
9343	.48635	49100	49565	50029	50494	50959	51424	51889	52353	52818	66745
9344	.53283	53747	54213	54677	55142	55607	56072	56536	57001	57466	66745
9345	.57930	58395	58860	59325	59789	60254	60719	61183	61648	62113	66745
9346	.62577	63042	63507	63972	64436	64901	65366	65830	66295	66759	66745
9347	.67224	67689	68154	68618	69083	69547	70012	70477	70941	71406	66745
9348	.71870	72335	72799	73264	73729	74193	74658	75122	75587	76051	66651
9349	.76516	76981	77445	77910	78374	78838	79303	79767	80232	80697	66651

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9350	970.81161	81626	82090	82554	83019	83483	83948	84412	84877	85341	66651
9351	.85806	86270	86735	87199	87663	88127	88592	89057	89521	89985	66651
9352	.90450	90914	91378	91843	92307	92772	93236	93700	94165	94629	66651
9353	.95093	95558	96022	96486	96951	97415	97879	98344	98808	99272	66651
9354	.99737	00201	00665	01129	01594	02058	02522	02986	03451	03915	66651
9355	971.04379	04843	05308	05772	06236	06700	07165	07629	08093	08557	66651
9356	.09021	09485	09950	10414	10878	11342	11806	12271	12735	13199	66651
9357	.13663	14127	14591	15055	15519	15983	16448	16912	17376	17840	66651
9358	.18304	18768	19232	19696	20160	20624	21089	21553	22017	22481	66651
9359	.22945	23409	23873	24337	24801	25265	25729	26193	26657	27121	66651
9360	.27585	28048	28513	28977	29441	29905	30368	30833	31297	31761	66651
9361	.32225	32688	33152	33616	34080	34544	35008	35472	35936	36400	66651
9362	.36864	37327	37791	38255	38719	39183	39647	40111	40575	41038	66651
9363	.41502	41966	42430	42894	43358	43821	44285	44749	45213	45677	66651
9364	.46141	46604	47068	47532	47996	48459	48923	49387	49851	50314	66651
9365	.50778	51242	51706	52169	52633	53097	53561	54024	54487	54952	66651
9366	.55415	55879	56343	56806	57270	57734	58197	58661	59125	59588	66651
9367	.60052	60516	60979	61443	61907	62370	62834	63297	63761	64225	66651
9368	.64688	65152	65615	66079	66543	67006	67470	67933	68397	68860	66651
9369	.69324	69787	70251	70715	71178	71642	72105	72568	73032	73495	66558
9370	.73959	74423	74886	75350	75813	76276	76740	77203	77667	78130	66558
9371	.78594	79057	79521	79984	80447	80911	81374	81837	82301	82764	66558
9372	.83228	83691	84155	84618	85081	85545	86008	86472	86935	87398	66558
9373	.87862	88325	88788	89252	89715	90178	90642	91105	91568	92032	66558
9374	.92495	92958	93422	93885	94348	94811	95275	95738	96201	96664	66558
9375	.97128	97591	98054	98517	98981	99444	99907	00370	00833	01297	66558
9376	972.01760	02223	02686	03149	03613	04076	04538	05002	05465	05928	66558
9377	.06392	06855	07318	07781	08244	08707	09170	09632	10097	10560	66558
9378	.11023	11486	11949	12412	12875	13338	13801	14264	14727	15191	66558
9379	.15654	16117	16579	17043	17505	17968	18432	18895	19358	19821	66558
9380	.20284	20747	21210	21673	22136	22598	23061	23525	23987	24451	66558
9381	.24914	25377	25839	26302	26765	27228	27691	28154	28617	29080	66558
9382	.29543	30006	30468	30932	31394	31857	32320	32783	33246	33709	66558
9383	.34172	34634	35097	35560	36023	36486	36948	37411	37874	38337	66558
9384	.38800	39263	39725	40188	40651	41114	41577	42039	42502	42965	66558
9385	.43428	43890	44353	44816	45279	45741	46204	46667	47129	47592	66558
9386	.48055	48517	48980	49443	49906	50368	50831	51294	51756	52219	66558
9387	.52682	53144	53607	54070	54532	54995	55457	55920	56383	56845	66558
9388	.57308	57771	58233	58696	59158	59621	60084	60546	61008	61471	66558
9389	.61934	62396	62859	63322	63784	64247	64709	65172	65634	66097	66464
9390	.66559	67022	67484	67947	68409	68872	69334	69797	70259	70722	66464
9391	.71184	71647	72108	72571	73034	73496	73958	74421	74884	75346	66464
9392	.75808	76271	76733	77196	77658	78120	78583	79045	79508	79970	66464
9393	.80432	80894	81357	81819	82281	82744	83206	83668	84131	84593	66464
9394	.85055	85518	85980	86442	86905	87367	87829	88292	88754	89216	66464
9395	.89678	90141	90603	91065	91527	91990	92452	92914	93376	93838	66461
9396	.94301	94763	95225	95687	96150	96612	97074	97536	97998	98461	66464
9397	.98923	99385	99847	00309	00771	01233	01695	02157	02620	03082	66464
9398	973.03544	04006	04468	04930	05392	05854	06317	06779	07241	07703	66464
9399	.08165	08627	09089	09551	10013	10475	10937	11399	11861	12323	66464

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9500	977·72361	72818	73275	73732	74189	74646	75103	75560	76018	76475	65991
9501	·76932	77388	77846	78303	78760	79217	79674	80131	80588	81045	65991
9502	·81503	81960	82417	82874	83331	83788	84245	84702	85158	85616	65991
9503	·86073	86530	86987	87444	87901	88358	88815	89272	89728	90186	65991
9504	·90643	91100	91557	92014	92471	92927	93384	93841	94298	94755	65991
9505	·95212	95669	96125	96583	97040	97497	97954	98410	98867	99324	65991
9506	·99781	00238	00695	01152	01608	02065	02522	02978	03435	03893	65991
9507	978·04349	04806	05263	05720	06177	06633	07090	07547	08004	08461	65991
9508	·08917	09374	09831	10288	10744	11201	11658	12115	12571	13028	65991
9509	·13485	13941	14398	14855	15312	15768	16225	16682	17138	17595	65991
9510	·18052	18508	18965	19422	19878	20335	20792	21248	21705	22162	65991
9511	·22618	23075	23531	23988	24445	24901	25358	25814	26271	26728	65991
9512	·27184	27641	28097	28554	29010	29467	29924	30380	30837	31293	65896
9513	·31750	32206	32663	33119	33576	34032	34488	34945	35402	35858	65896
9514	·36315	36771	37228	37684	38141	38597	39054	39510	39966	40423	65896
9515	·40879	41336	41792	42248	42705	43161	43618	44074	44531	44987	65896
9516	·45443	45900	46356	46812	47268	47725	48182	48638	49094	49551	65896
9517	·50007	50463	50920	51376	51832	52288	52745	53201	53657	54114	65896
9518	·54570	55026	55483	55938	56395	56851	57308	57764	58220	58676	65896
9519	·59133	59588	60045	60501	60958	61414	61870	62326	62782	63238	65896
9520	·63695	64151	64607	65063	65520	65976	66432	66888	67344	67800	65896
9521	·68257	68713	69168	69625	70081	70537	70993	71449	71905	72362	65896
9522	·72818	73274	73730	74185	74642	75098	75554	76010	76466	76922	65896
9523	·77378	77834	78291	78747	79203	79658	80115	80571	81027	81483	65896
9524	·81938	82395	82851	83307	83763	84218	84674	85131	85587	86042	65896
9525	·86498	86954	87410	87866	88322	88778	89234	89690	90146	90602	65896
9526	·91057	91514	91969	92425	92881	93337	93793	94248	94705	95161	65896
9527	·95617	96072	96528	96984	97440	97896	98352	98807	99263	99719	65896
9528	979·00175	00631	01086	01542	01998	02454	02910	03365	03821	04277	65896
9529	·04733	05188	05644	06100	06555	07011	07467	07923	08378	08834	65896
9530	·09290	09746	10201	10657	11113	11568	12024	12480	12935	13391	65896
9531	·13847	14303	14758	15214	15670	16125	16581	17036	17492	17948	65896
9532	·18403	18858	19314	19770	20226	20681	21137	21592	22048	22504	65896
9533	·22959	23415	23870	24326	24782	25237	25693	26148	26604	27059	65801
9534	·27515	27970	28426	28881	29337	29792	30248	30703	31158	31614	65801
9535	·32070	32525	32981	33436	33892	34347	34803	35258	35713	36168	65801
9536	·36624	37080	37535	37991	38445	38901	39357	39812	40267	40722	65801
9537	·41178	41634	42089	42544	43000	43455	43910	44365	44821	45276	65801
9538	·45732	46187	46642	47098	47553	48008	48464	48920	49374	49830	65801
9539	·50285	50740	51195	51651	52106	52561	53016	53472	53927	54382	65801
9540	·54837	55293	55748	56203	56658	57114	57568	58024	58479	58934	65801
9541	·59389	59845	60300	60755	61210	61665	62121	62576	63031	63486	65801
9542	·63941	64396	64851	65307	65762	66217	66672	67127	67582	68037	65801
9543	·68492	68947	69403	69857	70313	70768	71223	71678	72133	72588	65801
9544	·73043	73498	73953	74408	74863	75318	75773	76228	76683	77138	65801
9545	·77593	78048	78503	78958	79413	79868	80323	80778	81233	81688	65801
9546	·82143	82598	83053	83508	83963	84418	84873	85327	85782	86237	65801
9547	·86692	87147	87602	88057	88512	88967	89422	89876	90331	90786	65801
9548	·91241	91695	92151	92605	93060	93515	93970	94425	94880	95335	65801
9549	·95789	96244	96698	97154	97609	98063	98518	98973	99427	99882	65801

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9550	980.00337	00792	01247	01701	02156	02611	03065	03520	03975	04430	65801
9551	.04885	05339	05794	06248	06703	07158	07613	08067	08522	08977	65801
9552	.09431	09886	10341	10795	11250	11705	12159	12614	13068	13523	65801
9553	.13977	14432	14887	15342	15796	16251	16705	17160	17615	18069	65801
9554	.18524	18978	19433	19887	20342	20796	21251	21705	22160	22615	65705
9555	.23069	23524	23978	24433	24887	25342	25796	26251	26705	27160	65705
9556	.27614	28068	28523	28977	29432	29886	30341	30795	31250	31704	65705
9557	.32158	32613	33067	33522	33976	34431	34885	35339	35794	36248	65705
9558	.36703	37157	37611	38065	38520	38974	39428	39883	40337	40792	65705
9559	.41246	41700	42155	42609	43063	43517	43972	44426	44881	45335	65705
9560	.45789	46244	46697	47152	47606	48061	48515	48969	49423	49877	65705
9561	.50332	50786	51240	51695	52148	52603	53057	53511	53965	54420	65705
9562	.54874	55328	55782	56236	56691	57145	57599	58053	58507	58961	65705
9563	.59415	59870	60324	60778	61232	61686	62140	62594	63048	63503	65705
9564	.63957	64411	64865	65319	65773	66227	66681	67135	67589	68043	65705
9565	.68497	68951	69405	69860	70314	70768	71222	71676	72130	72584	65705
9566	.73037	73492	73945	74400	74854	75307	75762	76215	76669	77123	65705
9567	.77577	78031	78485	78939	79393	79847	80301	80755	81208	81663	65705
9568	.82117	82571	83024	83478	83932	84386	84840	85294	85747	86202	65705
9569	.86655	87109	87563	88017	88471	88925	89378	89832	90286	90740	65705
9570	.91194	91647	92101	92555	93008	93463	93917	94370	94824	95277	65705
9571	.95732	96185	96639	97093	97547	98000	98454	98907	99362	99815	65705
9572	981.00269	00723	01176	01630	02084	02537	02991	03445	03898	04352	65705
9573	.04805	05260	05713	06167	06621	07074	07527	07981	08435	08888	65705
9574	.09342	09796	10249	10703	11157	11610	12064	12517	12971	13425	65705
9575	.13878	14332	14785	15239	15693	16146	16600	17053	17507	17960	65705
9576	.18414	18867	19321	19774	20227	20681	21135	21588	22042	22495	65609
9577	.22948	23402	23856	24309	24763	25216	25670	26123	26576	27030	65609
9578	.27483	27937	28390	28844	29297	29750	30204	30657	31110	31564	65609
9579	.32017	32471	32924	33377	33831	34284	34737	35191	35644	36097	65609
9580	.36551	37004	37457	37911	38364	38817	39271	39724	40177	40631	65609
9581	.41084	41537	41991	42444	42897	43350	43804	44257	44710	45163	65609
9582	.45617	46070	46523	46976	47429	47883	48336	48789	49242	49695	65609
9583	.50148	50602	51055	51508	51962	52415	52868	53321	53774	54227	65609
9584	.54681	55134	55587	56040	56493	56946	57399	57852	58305	58758	65609
9585	.59212	59665	60117	60571	61024	61477	61930	62383	62837	63289	65609
9586	.63742	64195	64648	65102	65555	66007	66461	66914	67367	67820	65609
9587	.68273	68726	69178	69632	70085	70537	70991	71444	71897	72350	65609
9588	.72803	73255	73708	74161	74614	75067	75520	75973	76426	76879	65609
9589	.77332	77785	78237	78690	79143	79596	80049	80502	80955	81408	65609
9590	.81861	82314	82766	83219	83672	84125	84578	85031	85483	85936	65609
9591	.86389	86842	87295	87747	88200	88653	89106	89558	90011	90464	65609
9592	.90917	91370	91822	92275	92728	93181	93634	94086	94539	94992	65609
9593	.95444	95897	96350	96803	97255	97708	98161	98613	99066	99519	65609
9594	.99971	00424	00879	01329	01782	02235	02687	03140	03593	04045	65609
9595	982.04498	04950	05403	05856	06308	06761	07214	07656	08118	08571	65609
9596	.09024	09477	09929	10382	10834	11287	11739	12192	12644	13097	65513
9597	.13549	14002	14454	14907	15359	15812	16264	16717	17169	17622	65513
9598	.18074	18527	18979	19432	19884	20337	20789	21241	21694	22147	65513
9599	.22599	23052	23504	23956	24408	24861	25314	25766	26219	26671	65512

Chiliades centum Logarithmorum.

Num	0	1	2	3	4	5	6	7	8	9	Lo. D 2
9600	982.27123	27577	28028	28480	28933	29385	29837	30290	30742	31195	65513
9601	.31647	32099	32552	33004	33456	33909	34361	34813	35265	35718	65513
9602	.36170	36622	37075	37527	37979	38432	38884	39336	39788	40241	65513
9603	.40693	41145	41597	42050	42502	42954	43406	43858	44311	44763	95513
9604	.45215	45667	46119	46572	47024	47476	47928	48380	48833	49285	65513
9605	.49737	50189	50641	51093	51545	51997	52450	52902	53354	53806	65513
9606	.54258	54710	55162	55615	56067	56518	56971	57423	57875	58327	65513
9607	.58779	59231	59683	60135	60587	61039	61491	61943	62395	62847	65513
9608	.63299	63751	64203	64655	65107	65559	66011	66463	66915	67367	65513
9609	.67819	68271	68723	69175	69627	70079	70531	70983	71435	71887	65513
9610	.72338	72791	73243	73695	74146	74598	75050	75502	75954	76405	65513
9611	.76857	77310	77761	78213	78665	79117	79568	80021	80473	80924	65513
9612	.81376	81828	82280	82732	83183	83635	84087	84538	84991	85442	65513
9613	.85894	86346	86797	87249	87701	88153	88605	89056	89508	89960	65513
9614	.90412	90863	91315	91767	92218	92670	93122	93574	94025	94477	65513
9615	.94928	95380	95832	96284	96735	97187	97638	98091	98542	98994	65513
9616	.99445	99897	00348	00800	01252	01704	02155	02607	03058	03510	65513
9617	983.03962	04413	04865	05316	05768	06220	06671	07123	07574	08025	65417
9618	.08477	08928	09380	09832	10283	10735	11186	11638	12089	12541	65417
9619	.12992	13444	13895	14347	14798	15250	15701	16153	16604	17055	65417
9620	.17507	17958	18410	18861	19313	19764	20216	20667	21118	21570	65417
9621	.22021	22473	22924	23375	23827	24278	24730	25181	25633	26084	65417
9622	.26535	26987	27438	27889	28341	28792	29243	29695	30145	30597	65417
9623	.31048	31500	31951	32402	32854	33305	33756	34207	34658	35110	65417
9624	.35561	36013	36464	36915	37366	37817	38268	38720	39171	39623	65417
9625	.40074	40525	40976	41427	41878	42330	42781	43232	43683	44135	65417
9626	.44585	45037	45488	45939	46390	46842	47293	47744	48195	48646	65417
9627	.49097	49548	49999	50451	50902	51353	51804	52255	52706	53157	65417
9628	.53608	54059	54510	54961	55412	55863	56315	56765	57217	57668	65417
9629	.58118	58570	59021	59472	59923	60374	60825	61275	61727	62178	65417
9630	.62628	63080	63531	63982	64433	64884	65334	65785	66237	66687	65417
9631	.67138	67589	68040	68491	68942	69393	69844	70295	70746	71197	65417
9632	.71647	72098	72549	73000	73451	73902	74353	74804	75254	75705	65417
9633	.76156	76607	77058	77508	77959	78410	78861	79312	79763	80213	65417
9634	.80664	81115	81565	82017	82467	82918	83368	83820	84270	84721	65417
9635	.85172	85623	86074	86524	86975	87425	87876	88327	88778	89228	65417
9636	.89679	90130	90581	91031	91482	91933	92383	92834	93285	93735	65417
9637	.94185	94637	95087	95538	95988	96439	96890	97340	97791	98242	65417
9638	.98692	99143	99593	00044	00495	00945	01395	01846	02297	02747	65417
9639	984.03198	03648	04099	04550	05000	05451	05901	06352	06802	07253	65321
9640	.07703	08154	08604	09055	09505	09955	10406	10857	11307	11758	65321
9641	.12208	12658	13109	13560	14010	14461	14911	15361	15812	16262	65321
9642	.16713	17163	17613	18064	18514	18965	19415	19865	20315	20766	65321
9643	.21217	21667	22117	22568	23018	23468	23918	24369	24820	25270	65321
9644	.25720	26170	26621	27071	27521	27972	28422	28872	29323	29773	65321
9645	.30223	30673	31124	31574	32024	32475	32925	33375	33825	34275	65321
9646	.34725	35175	35626	36076	36527	36977	37427	37877	38327	38777	65321
9647	.39227	39678	40128	40578	41028	41478	41928	42379	42829	43279	65321
9648	.43729	44180	44630	45080	45530	45980	46430	46880	47330	47781	65321
9649	.48231	48681	49131	49581	50031	50481	50931	51381	51831	52281	65321

Num.	0	1	2	3	4	5	6	7	8	9	Lo. D 2
9650	984.52731	53181	53631	54081	54531	54981	55432	55882	56332	56782	65321
9651	.57232	57682	58131	58582	59032	59482	59931	60381	60832	61281	65321
9652	.61731	62181	62631	63081	63531	63981	64431	64881	65331	65781	65321
9653	.66231	66681	67130	67580	68030	68480	68930	69380	69830	70280	65321
9654	.70729	71179	71629	72079	72528	72978	73428	73878	74328	74778	65321
9655	.75227	75677	76127	76577	77027	77477	77927	78376	78826	79276	65321
9656	.79726	80175	80625	81075	81524	81974	82424	82874	83324	83773	65321
9657	.84223	84673	85123	85572	86022	86472	86921	87371	87821	88270	65321
9658	.88720	89170	89619	90069	90518	90968	91418	91867	92317	92767	65321
9659	.93217	93666	94116	94565	95015	95465	95914	96364	96813	97263	65321
9660	.97713	98162	98612	99061	99511	99960	00410	00860	01309	01759	65224
9661	985.02208	02658	03107	03557	04006	04455	04905	05355	05804	06254	65224
9662	.06703	07153	07602	08052	08501	08951	09400	09850	10299	10748	65224
9663	.11198	11647	12097	12546	12996	13445	13894	14344	14793	15243	65224
9664	.15692	16142	16591	17040	17489	17939	18388	18837	19287	19736	65224
9665	.20186	20635	21085	21534	21983	22433	22882	23331	23780	24230	65224
9666	.24679	25128	25577	26027	26476	26925	27375	27824	28273	28723	65224
9667	.29172	29621	30070	30520	30969	31418	31867	32317	32766	33215	65224
9668	.33664	34113	34562	35012	35461	35910	36359	36808	37257	37707	65224
9669	.38156	38605	39054	39503	39953	40402	40851	41300	41749	42198	65224
9670	.42647	43097	43546	43995	44443	44893	45342	45791	46240	46689	65224
9671	.47138	47587	48036	48486	48934	49384	49833	50282	50731	51180	65224
9672	.51628	52077	52527	52976	53425	53874	54323	54772	55221	55670	65224
9673	.56119	56567	57016	57466	57914	58364	58813	59262	59710	60159	65224
9674	.60608	61057	61506	61955	62404	62853	63301	63750	64200	64648	65224
9675	.65097	65546	65995	66444	66893	67342	67791	68239	68688	69137	65224
9676	.69586	70035	70484	70932	71381	71830	72279	72727	73176	73625	65224
9677	.74074	74523	74972	75420	75869	76318	76767	77215	77664	78113	65224
9678	.78562	79011	79459	79908	80357	80805	81254	81703	82152	82600	65224
9679	.83048	83498	83946	84395	84844	85292	85741	86190	86638	87087	65224
9680	.87535	87984	88433	88881	89330	89778	90227	90676	91125	91573	65224
9681	.92022	92471	92919	93367	93816	94265	94714	95162	95611	96059	65224
9682	.96508	96956	97405	97853	98302	98751	99199	99648	00096	00545	65127
9683	986.00993	01442	01890	02339	02787	03236	03684	04133	04581	05030	65127
9684	.05478	05927	06375	06823	07272	07720	08168	08617	09066	09514	65127
9685	.09963	10411	10859	11308	11756	12205	12653	13101	13550	13998	65127
9686	.14446	14895	15343	15792	16240	16688	17137	17585	18033	18482	65127
9687	.18930	19378	19827	20275	20723	21172	21620	22068	22516	22965	65127
9688	.23413	23861	24309	24757	25206	25654	26103	26551	26999	27447	65127
9689	.27896	28344	28792	29240	29688	30137	30585	31033	31481	31930	65127
9690	.32377	32826	33274	33722	34170	34618	35067	35515	35963	36411	65127
9691	.36859	37307	37755	38204	38652	39100	39548	39996	40444	40892	65127
9692	.41341	41788	42237	42685	43133	43581	44029	44477	44925	45373	65127
9693	.45821	46269	46717	47165	47613	48061	48509	48957	49405	49854	65127
9694	.50302	50750	51197	51645	52093	52541	52989	53437	53885	54333	65127
9695	.54781	55229	55677	56125	56573	57021	57469	57917	58365	58813	65127
9696	.59261	59708	60156	60604	61052	61500	61948	62396	62843	63292	65127
9697	.63740	64187	64635	65083	65531	65978	66427	66874	67322	67770	65127
9698	.68218	68665	69114	69561	70009	70457	70905	71353	71800	72248	65127
9699	.72695	73144	73591	74039	74487	74935	75382	75830	76277	76726	65127

Chiliades centum Logarithmorum.

Num	0	1	2	3	4	5	6	7	8	9	Lo. D 2
9700	986.77173	77621	78068	78517	78964	79412	79860	80307	80755	81203	65127
9701	.81650	82098	82546	82993	83441	83888	84336	84784	85232	85679	65127
9702	.86127	86575	87022	87470	87917	88365	88813	89260	89707	90156	65127
9703	.90603	91051	91498	91946	92393	92841	93288	93736	94184	94631	65030
9704	.95078	95526	95974	96421	96868	97316	97764	98211	98658	99106	65030
9705	.99554	00001	00448	00896	01343	01791	02238	02686	03133	03581	65030
9706	987.04028	04476	04924	05371	05818	06265	06713	07161	07608	08055	65030
9707	.08503	08950	09397	09845	10293	10740	11187	11635	12082	12529	65030
9708	.12977	13424	13871	14318	14766	15213	15661	16108	16555	17003	65030
9709	.17450	17897	18345	18792	19239	19687	20134	20581	21028	21476	65030
9710	.21923	22370	22817	23265	23712	24179	24606	25054	25501	25948	65030
9711	.26395	26842	27290	27737	28184	28631	29078	29525	29973	30420	65030
9712	.30867	31314	31762	32209	32656	33103	33550	33997	34444	34892	65030
9713	.35338	35786	36233	36680	37127	37574	38022	38469	38916	39363	65030
9714	.39810	40257	40704	41151	41598	42045	42492	42939	43386	43833	65030
9715	.44280	44728	45174	45621	46068	46516	46963	47410	47857	48304	65030
9716	.48751	49198	49645	50092	50538	50985	51432	51879	52326	52773	65030
9717	.53220	53667	54114	54561	55008	55455	55902	56349	56795	57242	65030
9718	.57689	58136	58583	59030	59477	59923	60371	60818	61264	61711	65030
9719	.62158	62605	63052	63498	63945	64392	64839	65286	65733	66180	65030
9720	.66626	67073	67520	67967	68414	68860	69307	69754	70201	70647	65030
9721	.71094	71541	71987	72434	72881	73328	73775	74221	74668	75115	65030
9722	.75562	76008	76455	76902	77348	77795	78242	78689	79135	79582	65030
9723	.80028	80475	80922	81368	81815	82262	82708	83155	83602	84048	65030
9724	.84495	84942	85388	85835	86281	86728	87175	87621	88067	88514	65030
9725	.88961	89407	89854	90301	90747	91194	91640	92087	92533	92980	64933
9726	.93426	93873	94319	94766	95213	95659	96106	96552	96998	97445	64933
9727	.97892	98338	98785	99231	99677	00124	00570	01017	01463	01910	64933
9728	988.02356	02803	03249	03695	04142	04588	05035	05481	05927	06374	64933
9729	.06820	07267	07713	08159	08605	09053	09498	09945	10391	10838	64933
9730	.11284	11730	12177	12623	13069	13516	13962	14408	14855	15301	64933
9731	.15747	16193	16640	17086	17532	17978	18425	18871	19317	19764	64933
9732	.20210	20656	21102	21548	21995	22441	22887	23333	23780	24226	64933
9733	.24672	25118	25565	26011	26457	26903	27350	27796	28242	28688	64933
9734	.29134	29580	30026	30473	30918	31365	31811	32257	32703	33149	64933
9735	.33595	34042	34487	34934	35380	35826	36272	36718	37164	37610	64933
9736	.38056	38503	38948	39395	39841	40287	40733	41178	41625	42071	64933
9737	.42517	42963	43409	43855	44301	44747	45193	45639	46085	46531	64933
9738	.46977	47423	47869	48315	48761	49207	49653	50099	50545	50991	64933
9739	.51437	51883	52328	52774	53220	53666	54112	54558	55004	55450	64933
9740	.55896	56341	56787	57233	57679	58125	58571	59017	59463	59908	64933
9741	.60354	60800	61246	61692	62137	62583	63029	63475	63921	64367	64933
9742	.64813	65258	65704	66150	66596	67041	67487	67933	68378	68825	64933
9743	.69270	69716	70162	70607	71053	71499	71945	72390	72836	73281	64933
9744	.73727	74173	74618	75065	75510	75956	76402	76847	77293	77738	64933
9745	.78184	78630	79076	79521	79967	80413	80858	81304	81749	82195	64933
9746	.82641	83086	83532	83977	84423	84868	85314	85760	86205	86651	64933
9747	.87097	87542	87988	88433	88878	89324	89770	90215	90661	91106	64836
9748	.91552	91997	92443	92888	93334	93780	94225	94671	95116	95561	64836
9749	.96007	96453	96898	97343	97789	98234	98680	99125	99571	00016	64836

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Num.	0	1	2	3	4	5	6	7	8	9	Lo. D. 2
9750	989.00462	00907	01352	01797	02243	02688	03134	03579	04025	04470	6483 6
9751	.04915	05361	05806	06252	06697	07143	07587	08033	08478	08924	6483 6
9752	.09369	09815	10260	10705	11151	11596	12041	12487	12932	13377	6483 6
9753	.13822	14268	14713	15158	15604	16048	16494	16939	17385	17830	6483 6
9754	.18275	18720	19166	19611	20056	20501	20946	21392	21837	22282	6483 6
9755	.22727	23172	23617	24063	24508	24953	25398	25844	26288	26734	64836
9756	.27179	27624	28069	28515	28960	29405	29850	30295	30740	31185	64836
9757	.31631	32076	32521	32966	33411	33856	34301	34746	35191	35636	64836
9758	.36681	36526	36972	37417	37862	38307	38752	39197	39642	40087	64836
9759	.40532	40977	41422	41867	42312	42757	43202	43647	44092	44537	64836
9760	.44982	45427	45872	46317	46762	47207	47651	48096	48541	48986	64836
9761	.49431	49876	50321	50766	51211	51656	52101	52546	52991	53435	64836
9762	.53880	54325	54770	55215	55660	56105	56550	56994	57439	57884	64836
9763	.58328	58774	59219	59663	60108	60553	60998	61443	61887	62332	64836
9764	.62777	63222	63667	64111	64556	65001	65446	65891	66335	66780	64836
9765	.67225	67669	68114	68558	69004	69448	69893	70337	70783	71227	64836
9766	.71672	72117	72561	73006	73451	73895	74340	74785	75229	75674	64836
9767	.76119	76563	77008	77453	77897	78342	78787	79231	79675	80120	64836
9768	.80565	81009	81454	81899	82343	82788	83233	83677	84122	84566	64836
9769	.85011	85455	85900	86345	86789	87234	87678	88123	88567	89012	64738
9770	.89456	89901	90345	90790	91234	91678	92123	92568	93012	93457	64738
9771	.93901	94346	94790	95235	95679	96124	96568	97013	97457	97901	64738
9772	.98345	98790	99235	99679	00124	00568	01012	01457	01901	02345	64738
9773	990.02789	03234	03678	04123	84567	05012	05456	05900	06345	06789	64738
9774	.07233	07677	08122	08566	09011	09455	09899	10344	10788	11232	64738
9775	.11677	12121	12565	13009	13454	13898	14342	14786	15231	15675	64738
9776	.16119	16563	17007	17452	17896	18341	18784	19228	19673	20117	64738
9777	.20561	21005	21450	21894	22338	22782	23227	23671	24115	24559	64738
9778	.25003	25447	25892	26336	26780	27224	27668	28112	28556	29000	64738
9779	.29444	29888	30333	30777	31221	31665	32109	32553	32997	33441	64738
9780	.33885	34330	34774	35218	35662	36106	36550	36994	37438	37882	64738
9781	.38325	38770	39214	39658	40102	40546	40990	41434	41877	42322	64738
9782	.42766	43210	43654	44097	44542	44986	45430	45873	45317	46761	64738
9783	.47205	47649	48093	48537	48981	49425	49868	50313	50757	51200	64738
9784	.51644	52088	52532	52976	53420	53864	54308	54751	55195	55639	64738
9785	.56083	56527	56971	57414	57858	58302	58746	59190	59633	60077	64738
9786	.60521	60965	61409	61853	62296	62740	63184	63627	64071	64515	64738
9787	.64958	65403	65846	66290	66734	67177	67621	68065	68508	68952	64738
9788	.69396	69840	70283	70727	71171	71615	72058	72502	72945	73389	64738
9789	.73833	74275	74720	75164	75607	76051	76495	76938	77382	77825	64738
9790	.78269	78713	79156	79600	80044	80487	80931	81374	81818	82261	64738
9791	.82705	83148	83592	84035	84479	84923	85366	85810	86253	86697	64640
9792	.87140	87584	88028	88471	88915	89358	89802	90245	90688	91132	64640
9793	.91575	92019	92462	92906	93349	93793	94236	94680	95123	95566	64640
9794	.96010	96453	96897	97340	97784	98227	98670	99114	99557	00001	64640
9795	991.00444	00887	01331	01774	02217	02661	03104	03548	03991	04434	64640
9796	.04877	05321	05764	06208	06651	07094	07537	07981	08424	08867	64640
9797	.09311	09754	10197	10641	11084	11527	11970	12414	12857	13300	64640
9798	.13743	14187	14630	15073	15516	15960	16403	16846	17289	17733	64640
9799	.18176	18618	19062	19505	19948	20392	20835	21278	21721	22164	64640

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Num	0	1	2	3	4	5	6	7	8	9	Lo.D 2
9800	991.22607	23051	23494	23937	24380	24823	25266	25709	26153	26596	64640
9801	·47038	27482	27925	28368	28811	29254	29697	30141	30584	31027	64640
9802	·31470	31913	32356	32799	33242	33685	34128	34571	35014	35457	64640
9803	·35900	36343	36786	37229	37672	38115	38558	39001	39444	39887	64640
9804	·40330	40773	41216	41659	42102	42545	42988	43431	43874	44317	64640
9805	·44760	45203	45645	46088	46531	46974	47417	47860	48303	48746	64640
9806	·49188	49632	50074	50517	50960	51403	51846	52288	52732	53175	64640
9807	·53617	54060	54503	54946	55388	55832	56274	56717	57160	57603	64640
9808	·58046	58488	58931	59374	59817	60260	60702	61145	61587	62031	64640
9809	·62473	62916	63359	63802	64244	64687	65130	65573	66015	66458	64640
9810	·66901	67343	67786	68228	68672	69114	69557	70000	70442	70884	64640
9811	·71327	71770	72213	72655	73098	73541	73983	74426	74868	75311	64640
9812	·75754	76197	76639	77082	77524	77967	78409	78852	79295	79737	64640
9813	·80180	80622	81065	81508	81950	82393	82835	83277	83720	84163	64542
9814	·84605	85048	85490	85933	86375	86817	87260	87703	88145	88588	64542
9815	·89030	89473	89915	90358	90800	91243	91685	92128	92570	93013	64542
9816	·93455	93897	94340	94782	95224	95667	96110	96552	96994	97437	64542
9817	·97879	98321	98764	99206	99648	00091	00533	00975	01418	01860	64542
9818	992.02303	02745	03187	03630	04072	04514	04957	05399	05841	06283	64542
9819	·06726	07168	07611	08053	08495	08937	09380	09822	10264	10707	64542
9820	·11148	11591	12033	12475	12917	13360	13802	14244	14687	15128	64542
9821	·15571	16013	16455	16897	17340	17782	18224	18666	19108	19551	64542
9822	·19993	20435	20877	21319	21762	22204	22646	23088	23530	23972	64542
9823	·24414	24857	25298	25741	26183	26624	27067	27509	27951	28393	64542
9824	·28835	29277	29720	30162	30604	31046	31488	31930	32372	32814	64542
9825	·33256	33698	34140	34582	35024	35466	35908	36350	36792	37234	64542
9826	·37676	38117	38560	39002	39444	39885	40328	40770	41212	41654	64542
9827	·42096	42537	42979	43421	43863	44305	44747	45189	45631	46073	64542
9828	·46514	46957	47398	47840	48282	48724	49166	49608	50050	50492	64542
9829	·50934	51375	51817	52259	52701	53143	53584	54026	54468	54910	64542
9830	·55352	55794	56235	56677	57118	57561	58003	58444	58886	59328	64542
9831	·59770	60211	60653	61095	61537	61978	62420	62862	63303	63745	64542
9832	·64187	64628	65070	65512	65954	66395	66837	67278	67720	68162	64542
9833	·68604	69045	69487	69928	70371	70812	71254	71695	72137	72578	64542
9834	·73020	73462	73904	74345	74787	75228	75670	76112	76553	76995	64542
9835	·77436	77878	78320	78761	79203	79644	80085	80527	80968	81410	64443
9836	·81852	82294	82735	83177	83618	84060	84501	84943	85384	85826	64443
9837	·86267	86708	87150	87592	88033	88474	88916	89357	89798	90240	64443
9838	·90682	91123	91564	92006	92447	92889	93330	93772	94213	94654	64443
9839	·95096	95537	95978	96420	96862	97303	97744	98186	98627	99068	64443
9840	·99510	99951	00392	00834	01275	01717	02158	02599	03041	03482	64443
9841	993.03923	04364	04806	05247	05688	06130	06571	07012	07453	07895	64443
9842	·08336	08777	09218	09660	10101	10542	10984	11424	11866	12307	64443
9843	·12748	13190	13631	14072	14513	14954	15395	15837	16278	16719	64443
9844	·17161	17602	18043	18484	18925	19366	19807	20248	20690	21131	64443
9845	·21572	22013	22454	22895	23336	23777	24218	24660	25101	25542	64443
9846	·25983	26424	26865	27306	27747	28188	28630	29071	29512	29953	64443
9847	·30394	30834	31276	31717	32158	32599	33040	33481	33922	34363	64443
9848	·34804	35244	35685	36127	36568	37009	37450	37891	38332	38773	64443
9849	·39214	39654	40096	40537	40977	41418	41859	42300	42741	43182	64443

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9850	993·43623	44064	44505	44945	45387	45827	46268	46709	47150	47591	64443
9851	·48032	48473	48914	49354	49795	50236	50677	51118	51558	52000	64443
9852	·52440	52881	53322	53763	54204	54644	55085	55525	55966	56407	64443
9853	·56848	57289	57730	58171	58611	59052	59493	59934	60374	60815	64443
9854	·61255	61696	62137	62578	63018	63459	63900	64341	64781	65222	64443
9855	·65663	66103	66544	66985	67425	67866	68307	68747	69188	69628	64443
9856	·70069	70510	70951	71391	71832	72273	72713	73154	73594	74035	64443
9857	·74475	74916	75357	75797	76238	76678	77119	77560	78000	78441	64443
9858	·78881	79322	79762	80203	80643	81084	81525	81965	82405	82846	64345
9859	·83287	83727	84168	84608	85048	85489	85930	86370	86811	87251	64345
9860	·87691	88132	88572	89013	89453	89894	90334	90775	91215	91655	64345
9861	·92095	92536	92976	93417	93857	94298	94738	95178	95619	96059	64345
9862	·96500	96940	97380	97821	98261	98702	99142	99582	00023	00463	64345
9863	994·00903	01344	01784	02224	02665	03105	03545	03985	04425	04866	64345
9864	·05306	05747	06187	06627	07067	07508	07948	08388	08828	09269	64345
9865	·09708	10149	10589	11030	11470	11910	12350	12791	13231	13671	64345
9866	·14111	14551	14991	15432	15872	16312	16752	17192	17633	18073	64345
9867	·18513	18953	19393	19833	20273	20713	21154	21594	22034	22474	64345
9868	·22914	23354	23794	24234	24674	25114	25555	25995	26435	26875	64345
9869	·27315	27755	28195	28635	29075	29515	29955	30395	30835	31275	64345
9870	·31715	32155	32595	33035	33475	33915	34355	34795	35235	35675	64345
9871	·36115	36555	36995	37435	37875	38315	38755	39195	39635	40075	64345
9872	·40515	40955	41395	41834	42274	42714	43154	43594	44034	44474	64345
9873	·44914	45354	45793	46233	46673	47113	47553	47993	48433	48872	64345
9874	·49312	49752	50192	50632	51072	51511	51951	52391	52831	53271	64345
9875	·53710	54150	54590	55030	55470	55909	56349	56788	57228	57668	64345
9876	·58108	58547	58987	59427	59867	60307	60747	61186	61626	62066	64345
9877	·62505	62945	63384	63824	64264	64704	65144	65583	66023	66463	64345
9878	·66902	67342	67781	68221	68661	69100	69540	69980	70419	70858	64345
9879	·71298	71738	72177	72617	73057	73497	73936	74376	74815	75255	64345
9880	·75694	76134	76573	77013	77453	77892	78332	78771	79211	79650	64246
9881	·80090	80529	80968	81408	81848	82287	82727	83166	83606	84045	64246
9882	·84484	84924	85364	85803	86243	86682	87122	87561	88001	88440	64246
9883	·88879	89318	89758	90197	90637	91077	91516	91955	92394	92834	64246
9884	·93274	93713	94152	94592	95031	95470	95910	96349	96788	97228	64246
9885	·97667	98107	98546	98985	99424	99864	00303	00743	01182	01621	64246
9886	995·02061	02500	02939	03378	03817	04257	04696	05136	05575	06014	64246
9887	·06453	06893	07332	07771	08210	08649	09088	09528	09967	10407	64246
9888	·10846	11284	11724	12163	12603	13042	13481	13920	14359	14798	64246
9889	·15237	15677	16116	16555	16994	17433	17873	18312	18751	19190	64246
9890	·19629	20068	20507	20947	21386	21825	22264	22703	23142	23581	64246
9891	·24020	24459	24898	25337	25776	26215	26654	27094	27533	27972	64246
9892	·28411	28649	29288	29727	30167	30606	31044	31484	31923	32362	64246
9893	·32801	33240	33678	34117	34557	34996	35434	35874	36313	36752	64246
9894	·37191	37630	38068	38507	38946	39385	39824	40263	40702	41141	64246
9895	·41579	42018	42457	42897	43335	43774	44213	44652	45091	45530	64246
9896	·45968	46407	46846	47285	47724	48163	48602	49041	49479	49918	64246
9897	·50357	50796	51235	51673	52112	52551	52990	53428	53867	54306	64246
9898	·54745	55184	55622	56061	56500	56938	57377	57816	58255	58694	64246
9899	·59132	59571	60010	60448	60887	61326	61765	62203	62642	63081	64246

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9900	995.63519	63958	64397	64835	65274	65712	66151	66590	67028	67467	64246
9901	.67906	68345	68783	69222	69661	70099	70538	70976	71415	71854	64246
9902	.72292	72731	73169	73608	74046	74485	74924	75362	75801	76240	64147
9903	.76678	77116	77555	77994	78432	78870	79309	79748	80186	80625	64147
9904	.81063	81502	81940	82378	82817	83255	83694	84133	84571	85009	64147
9905	.85448	85886	86325	86763	87202	87640	88078	88517	88955	89394	64147
9906	.89832	90271	90709	91148	91586	92024	92463	92901	93339	93778	64147
9907	.94216	94655	95093	95531	95970	96408	96846	97285	97723	98161	64147
9908	.98600	99038	99476	99915	00353	00791	01230	01668	02106	02545	64147
9909	996.02943	03421	03860	04297	04735	05174	05612	06051	06489	06927	64147
9910	.07365	07804	08242	08680	09118	09557	09995	10433	10871	11309	64147
9911	.11748	12185	12624	13062	13500	13938	14377	14815	15253	15691	64147
9912	.16129	16567	17005	17444	17882	18320	18758	19196	19634	20073	64147
9913	.20511	20948	21386	21825	22263	22701	23139	23577	24015	24453	64147
9914	.24891	25329	25767	26206	26644	27082	27520	27958	28395	28834	64147
9915	.29272	29710	30148	30586	31024	31462	31900	32338	32775	33214	64147
9916	.33652	34090	34528	34965	35404	35842	36279	36717	37155	37593	64147
9917	.38031	38469	38907	39345	39783	40221	40658	41097	41535	41973	64147
9918	.42410	42848	43286	43724	44162	44600	45038	45475	45913	46351	64147
9919	.46789	47227	47665	48103	48540	48978	49415	49854	50292	50729	64147
9920	.51167	51605	52043	52481	52918	53356	53794	54232	54669	55107	64147
9921	.55545	55983	56421	56858	57296	57734	58171	58609	59047	59485	64147
9922	.59922	60360	60798	61235	61673	62111	62548	62986	63424	63861	64147
9923	.64299	64737	65174	65612	66050	66487	66925	67363	67800	68238	64147
9924	.68675	69113	69551	69988	70426	70864	71301	71738	72176	72614	64147
9925	.73052	73489	73927	74364	74802	75239	75677	76114	76552	76990	64048
9926	.77427	77865	78302	78740	79177	79615	80052	80490	80927	81365	64048
9927	.81802	82240	82677	83115	83552	83989	84427	84865	85302	85739	64048
9928	.86177	86614	87052	87489	87926	88364	88801	89238	89676	90114	64048
9929	.90551	90988	91426	91863	92301	92738	93175	93613	94050	94487	64048
9930	.94925	95362	95800	96237	96674	97111	97548	97986	98423	98861	64048
9931	.99298	99735	00173	00610	01047	01485	01922	02359	02797	03234	64048
9932	997.03671	04108	04545	04983	05420	05857	06295	06732	07169	07606	64048
9933	.08044	08481	08918	09355	09792	10230	10667	11104	11541	11978	64048
9934	.12415	12852	13290	13727	14164	14601	15038	15475	15913	16350	64048
9935	.16787	17224	17661	18098	18535	18973	19410	19847	20284	20721	64048
9936	.21158	21595	22032	22469	22907	23344	23781	24218	24655	25092	64048
9937	.25528	25966	26403	26840	27277	27714	28151	28588	29025	29462	64048
9938	.29899	30336	30773	31210	31647	32084	32521	32958	33395	33832	64048
9939	.34269	34706	35143	35580	36017	36454	36891	37328	37765	38202	64048
9940	.38638	39075	39512	39949	40386	40823	41260	41697	42134	42571	64048
9941	.43007	43444	43881	44318	44755	45192	45628	46065	46502	46939	64048
9942	.47375	47813	48250	48686	49123	49560	49997	50434	50870	51307	64048
9943	.51744	52181	52617	53054	53491	53928	54364	54801	55238	55675	64048
9944	.56112	56548	56985	57422	57858	58295	58732	59168	59605	60042	64048
9945	.60478	60915	61352	61788	62225	62662	63098	63535	63972	64408	64048
9946	.64845	65282	65718	66155	66592	67028	67465	67902	68338	68775	64048
9947	.69212	69648	70085	70522	70958	71395	71831	72268	72705	73141	64048
9948	.73577	74014	74451	74887	75324	75760	76197	76634	77070	77506	64048
9949	.77943	78379	78816	79253	79689	80125	80562	80998	81435	81872	63948

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Num.	0	1	2	3	4	5	6	7	8	9	Lo. D. 2
9950	997·82308	82745	83181	83617	84054	84490	84927	85363	85800	86236	63948
9951	·86673	87109	87545	87982	88418	88855	89291	89728	90164	90600	63948
9952	·91037	91473	91910	92346	92782	93218	93655	94091	94527	94964	63948
9953	·95400	95837	96273	96709	97145	97582	98018	98455	98891	99327	63948
9954	·99764	00199	00637	01073	01509	01945	02381	02817	03254	03690	63948
9955	998·04126	04563	04998	05435	05871	06308	06744	07180	07616	08053	63948
9956	·08488	08925	09361	09797	10234	10670	11106	11542	11978	12415	63948
9957	·12851	13287	13723	14159	14595	15031	15467	15904	16340	16776	63948
9958	·17212	17648	18084	18521	18957	19393	19829	20265	20701	21137	63948
9959	·21573	22009	22445	22881	23317	23754	24189	24625	25062	25497	63948
9960	·25934	26370	26806	27242	27677	28114	28550	28986	29422	29858	63948
9961	·30294	30730	31166	31602	32038	32474	32910	33346	33782	34217	63948
9962	·34654	35090	35525	35962	36397	36833	37269	37705	38141	38577	63948
9963	·39013	39448	39885	40321	40757	41193	41628	42064	42500	42936	63948
9964	·43372	43808	44244	44679	45115	45551	45987	46423	46859	47294	63948
9965	·47730	48166	48602	49037	49474	49909	50345	50781	51217	51653	63948
9966	·52088	52524	52960	53395	53831	54267	54705	55138	55574	56010	63948
9967	·56446	56882	57317	57753	58188	58624	59060	59496	59932	60367	63948
9968	·60803	61238	61674	62110	62546	62981	63417	63853	64288	64724	63948
9969	·65160	65595	66031	66467	66902	67338	67773	68209	68645	69081	63948
9970	·69515	69951	70387	70823	71258	71694	72129	72565	73000	73436	63948
9971	·73872	74307	74743	75178	75614	76049	76485	76920	77356	77791	63848
9972	·78227	78662	79098	79533	79969	80404	80840	81275	81711	82146	63848
9973	·82582	83017	83453	83888	84324	84759	85195	85630	86065	86501	63848
9974	·86936	87372	87807	88243	88678	89113	89548	89984	90420	90855	63848
9975	·91290	91726	92161	92596	93032	93467	93903	94338	94773	95208	63848
9976	·95644	96079	96515	96950	97385	97821	98256	98691	99127	99562	63848
9977	·99997	00433	00868	01303	01738	02174	02608	03044	03479	03915	63848
9978	999·04350	04785	05220	05656	06091	06526	06961	07397	07832	08267	63848
9979	·08702	09137	09573	10008	10443	10878	11313	11748	12184	12618	63848
9980	·13054	13489	13924	14360	14795	15230	15665	16100	16535	16970	63848
9981	·17405	17841	18276	18711	19146	19581	20016	20451	20886	21321	63848
9982	·21757	22192	22627	23062	23497	23932	24367	24802	25237	25672	63848
9983	·26107	26542	26977	27412	27847	28282	28717	29152	29587	30022	63848
9984	·30457	30892	31327	31762	32197	32632	33067	33502	33937	34372	63848
9985	·34807	35241	35677	36112	36547	36982	37416	37851	38286	38721	63848
9986	·39156	39591	40026	40461	40895	41331	41765	42200	42635	43070	63848
9987	·43505	43940	44375	44810	45244	45679	46114	46548	46984	47418	63848
9988	·47853	48288	48723	49158	49593	50027	50462	50897	51332	51766	63848
9989	·52201	52636	53071	53505	53940	54375	54810	55245	55679	56114	63848
9990	·56548	56984	57418	57853	58288	58722	59157	59592	60027	60461	63848
9991	·60895	61331	61765	62200	62635	63069	63504	63938	64373	64808	63848
9992	·65243	65677	66112	66546	66981	67415	67850	68285	68719	69154	63848
9993	·69588	70023	70458	70893	71327	71762	72196	72631	73065	73500	63848
9994	·73934	74369	74804	75238	75673	76107	76542	76976	77411	77845	63748
9995	·78280	78714	79148	79583	80017	80452	80887	81321	81755	82190	63748
9996	·82625	83059	83494	83928	84363	84797	85231	85665	86100	86535	63748
9997	·86969	87404	87838	88272	88707	89141	89575	90010	90444	90878	63748
9998	·91313	91748	92182	92616	93051	93485	93919	94354	94788	95223	63748
9999	·95657	96091	96525	96960	97394	97828	98263	98697	99131	99565	63748

FINIS.

CANONES
LOGARITHMORUM
PRO
SINVBVS & TANGENTIBVS
ad singulos Quadrantis Gradus, & partes
Graduum centesimas.

LONDINI,
Ex Officina *Leybourniana*, *M DCLVIII.*

C	Sinus	Differ.			Tangens	Differ.		
0	0		10.00000000		0		Infinita.	100
1	6.24187736	30102998	9.99999999	1	6.24187737	30103000	13.75812262	99
2	6.54290735	17609124	9.99999997	3	6.54290738	17609128	13.45709262	98
3	6.71899860	12493872	9.99999994	4	6.71899866	12493876	13.28100133	97
4	6.84393732	9690999	9.99999989	5	6.84393742	9691005	13.15606257	96
5	6.94084731	7918122	9.99999983	7	6.94084748	7918129	13.05915251	95
6	7.02002853	6694676	9.99999976	8	7.02002877	6694684	12.97997122	94
7	7.08697529	5799191	9.99999967	9	7.08697562	5799201	12.91302437	93
8	7.14496721	5115248	9.99999957	11	7.14496763	5115259	12.85503236	92
9	7.19611969	4575744	9.99999946	12	7.19612023	4575757	12.80387976	91
10	7.24187714	4139263	9.99999933	13	7.24187780	4139277	12.75812219	90
11	7.28326978	3778851	9.99999919	15	7.28327058	3778866	12.71672941	89
12	7.32105829	3476205	9.99999904	16	7.32105924	3476221	12.67894075	88
13	7.35582034	3218462	9.99999888	17	7.35582146	3218480	12.64417853	87
14	7.38800497	2996315	9.99999870	19	7.38800526	2996335	12.61199373	86
15	7.41796813	2802865	9.99999851	20	7.41796961	2802886	12.58203038	85
16	7.44599678	2632886	9.99999830	21	7.44599847	2632908	12.55400152	84
17	7.47232565	2482350	9.99999808	23	7.47232756	2482373	12.52767243	83
18	7.49714915	2348101	9.99999785	24	7.49715130	2348125	12.50284869	82
19	7.52063017	2227630	9.99999761	25	7.52063256	2227656	12.47936743	81
20	7.54290648	2118920	9.99999735	27	7.54290912	2118947	12.45709087	80
21	7.56409568	2020329	9.99999708	28	7.56409860	2020357	12.43590139	79
22	7.58429898	1930505	9.99999679	29	7.58430218	1930535	12.41569781	78
23	7.60360403	1848330	9.99999650	31	7.60360753	1848361	12.39639246	77
24	7.62208733	1772865	9.99999618	32	7.62209114	1772898	12.37790885	76
25	7.63981599	1703322	9.99999586	33	7.63982013	1703356	12.36017986	75
26	7.65684922	1639029	9.99999552	35	7.65685369	1639064	12.34314630	74
27	7.67323952	1579414	9.99999517	36	7.67324434	1579450	12.32675565	73
28	7.68903367	1523984	9.99999481	37	7.68903885	1524021	12.31096114	72
29	7.70427351	1472312	9.99999443	39	7.70427907	1472351	12.29572092	71
30	7.71899663	1424030	9.99999404	40	7.71900259	1424070	12.28099740	70
31	7.73323694	1378814	9.99999364	41	7.73324329	1378856	12.26675670	69
32	7.74702508	1336381	9.99999322	42	7.74703186	1336424	12.25296813	68
33	7.76038890	1296483	9.99999279	44	7.76039610	1296527	12.23960389	67
34	7.77335373	1258897	9.99999235	45	7.77336138	1258943	12.22663861	66
35	7.78594271	1223429	9.99999189	46	7.78595081	1223476	12.21404918	65
36	7.79817701	1189906	9.99999142	48	7.79818558	1189954	12.20181441	64
37	7.81007607	1158170	9.99999094	49	7.81008512	1158220	12.18991487	63
38	7.82165778	1128084	9.99999044	50	7.82166733	1128135	12.17833266	62
39	7.83293862	1099521	9.99998993	52	7.83294868	1099573	12.16705131	61
40	7.84393383	1072368	9.99998941	53	7.84394441	1072422	12.15605558	60
41	7.85465751	1046525	9.99998888	54	7.85466863	1046579	12.14533136	59
42	7.86512276	1021897	9.99998833	56	7.86513443	1021954	12.13486556	58
43	7.87534174	998402	9.99998776	57	7.87535397	998460	12.12464602	57
44	7.88532577	975964	9.99998719	58	7.88533858	976023	12.11466141	56
45	7.89508541	954511	9.99998660	60	7.89509881	954571	12.10490118	55
46	7.90463053	933982	9.99998600	61	7.90464453	934043	12.09535546	54
47	7.91397035	914316	9.99998538	62	7.91398496	914379	12.08601503	53
48	7.92311352	895462	9.99998475	64	7.92312876	895527	12.07687123	52
49	7.93206815	877370	9.99998411	65	7.93208403	877436	12.06791596	51
			Sinus	Dif		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	7.94084185	859994	9.99998346	66	7.94085839	860061	12.05914160	50
51	7.94944180	843294	9.99998279	68	7.94945901	843362	12.05054098	49
52	7.95787474	827229	9.99998211	69	7.95789263	827298	12.04210736	48
53	7.96614704	811765	9.99998141	70	7.96616562	811836	12.03383437	47
54	7.97426469	796868	9.99998071	72	7.97428398	796941	12.02571601	46
55	7.98223338	782509	9.99997999	73	7.98225339	782582	12.01774660	45
56	7.99005848	768657	9.99997925	74	7.99007922	768732	12.00992077	44
57	7.99774505	755288	9.99997850	76	7.99776655	755364	12.00223344	43
58	8.00529794	742376	9.99997774	77	8.00532019	742453	11.99467980	42
59	8.01272170	729897	9.99997697	78	8.01274473	729976	11.98725526	41
60	8.02002068	717831	9.99997618	80	8.02004449	717911	11.97995550	40
61	8.02719899	706158	9.99997538	81	8.02722361	706239	11.97277638	39
62	8.03426058	694858	9.99997457	82	8.03428600	694941	11.96571399	38
63	8.04120916	683914	9.99997374	84	8.04123542	683998	11.95876458	37
64	8.04804831	673309	9.99997290	85	8.04807540	673395	11.95192459	36
65	8.05478140	663029	9.99997205	86	8.05480935	663115	11.94519064	35
66	8.06141169	653057	9.99997118	87	8.06144051	653145	11.93855948	34
67	8.06794227	643381	9.99997030	89	8.06797196	643470	11.93202803	33
68	8.07437608	633987	9.99996941	90	8.07440667	634078	11.92559332	32
69	8.08071596	624864	9.99996850	91	8.08074745	624956	11.91925254	31
70	8.08696460	615999	9.99996758	93	8.08699701	616083	11.91300298	30
71	8.09312460	607383	9.99996665	94	8.09315784	607477	11.90684205	29
72	8.09919843	599004	9.99996570	95	8.09923262	599100	11.90076727	28
73	8.10518847	590853	9.99996474	97	8.10522362	590950	11.89477627	27
74	8.11109701	582921	9.99996377	98	8.11113313	583030	11.88886676	26
75	8.11692622	575199	9.99996279	99	8.11696343	575299	11.88303656	25
76	8.12267822	567679	9.99996179	101	8.12271643	567780	11.87728356	24
77	8.12835501	560353	9.99996078	102	8.12839423	560456	11.87160576	23
78	8.13395855	553214	9.99995975	103	8.13399880	553318	11.86600119	22
79	8.13949069	546254	9.99995871	105	8.13953198	546359	11.86046801	21
80	8.14495324	539467	9.99995766	106	8.14499557	539574	11.85500442	20
81	8.15034792	532847	9.99995659	107	8.15039132	532955	11.84960867	19
82	8.15567639	526387	9.99995552	109	8.15572087	526496	11.84427912	18
83	8.16094027	520082	9.99995442	110	8.16098584	520193	11.83901415	17
84	8.16614109	513926	9.99995332	111	8.16618777	514038	11.83381222	16
85	8.17128036	507914	9.99995220	113	8.17132815	508027	11.82867184	15
86	8.17635951	502042	9.99995107	114	8.17640843	502156	11.82359156	14
87	8.18137993	496303	9.99994993	115	8.18142999	496419	11.81857000	13
88	8.18634296	490694	9.99994877	117	8.18639419	490811	11.81360580	12
89	8.19124990	485210	9.99994760	118	8.19130230	485329	11.80859769	11
90	8.19610201	479848	9.99994641	119	8.19615559	479968	11.80384440	10
91	8.20090050	474603	9.99994522	121	8.20095527	474724	11.79904472	9
92	8.20564653	469471	9.99994401	122	8.20570252	469593	11.79429747	8
93	8.21034124	464449	9.99994278	123	8.21039845	464572	11.78960154	7
94	8.21498573	459533	9.99994155	125	8.21504418	459658	11.78495581	6
95	8.21958107	454720	9.99994029	126	8.21964077	454847	11.78035922	5
96	8.22412828	450007	9.99993903	127	8.22418924	450135	11.77581075	4
97	8.22862835	445391	9.99993775	128	8.22869059	445520	11.77130940	3
98	8.23308226	440868	9.99993646	130	8.23314579	440998	11.76685420	2
99	8.23749095	436436	9.99993516	131	8.23755578	436568	11.76244421	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	8.24184531	433093	9.99993384	132	8.24192146	432226	11.75807853	100
1	8.24617624	427835	9.99993252	134	8.24624372	427969	11.75375627	99
2	8.25045459	423660	9.99993117	135	8.25052342	423795	11.74947657	98
3	8.25469120	419565	9.99992982	136	8.25476137	419702	11.74523862	97
4	8.25888685	415549	9.99992845	138	8.25895840	415688	11.74104159	96
5	8.26304235	411610	9.99992706	139	8.26311528	411749	11.73688471	95
6	8.26715845	407744	9.99992567	140	8.26723278	407885	11.73276721	94
7	8.27123590	403950	9.99992426	142	8.27131163	404092	11.72868836	93
8	8.27527540	400226	9.99992284	143	8.27535256	400369	11.72464743	92
9	8.27927766	396570	9.99992140	144	8.27935626	396715	11.72064373	91
10	8.28324337	392980	9.99991995	146	8.28332341	393126	11.71667658	90
11	8.28717317	389455	9.99991849	147	8.28725468	389602	11.71274531	89
12	8.29106773	385992	9.99991702	148	8.29115071	386141	11.70884928	88
13	8.29492765	382590	9.99991553	150	8.29501212	382740	11.70498787	87
14	8.29875356	379248	9.99991402	151	8.29883953	379399	11.70116046	86
15	8.30254604	375963	9.99991251	152	8.30263353	376116	11.69736646	85
16	8.30630568	372735	9.99991098	154	8.30639470	372890	11.69360529	84
17	8.31003304	369562	9.99990944	155	8.31012360	369718	11.68987639	83
18	8.31372867	366443	9.99990789	156	8.31382078	366599	11.68617921	82
19	8.31739310	363375	9.99990632	158	8.31748678	363533	11.68251321	81
20	8.32102686	360359	9.99990474	159	8.32112212	360518	11.67887787	80
21	8.32463045	357392	9.99990314	160	8.32472730	357553	11.67527269	79
22	8.32820438	354474	9.99990153	162	8.32830284	354636	11.67169715	78
23	8.33174912	351602	9.99989991	163	8.33184920	351766	11.66815079	77
24	8.33526514	348777	9.99989828	164	8.33536686	348922	11.66463313	76
25	8.33875292	345997	9.99989663	166	8.33885629	346163	11.66114370	75
26	8.34221290	343261	9.99989497	167	8.34231793	343429	11.65768206	74
27	8.34564552	340568	9.99989330	168	8.34575222	340737	11.65424777	73
28	8.34905121	337917	9.99989161	170	8.34915959	338087	11.65084040	72
29	8.35243038	335307	9.99988991	171	8.35254046	335478	11.64745953	71
30	8.35578345	332736	9.99988820	172	8.35589525	332909	11.64410474	70
31	8.35911082	330205	9.99988647	173	8.35922434	330379	11.64077565	69
32	8.36241288	327712	9.99988473	175	8.36252814	327887	11.63747185	68
33	8.36569000	325256	9.99988298	176	8.36580702	325433	11.63419297	67
34	8.36894257	322837	9.99988121	177	8.36906135	323015	11.63093864	66
35	8.37217095	320454	9.99987943	179	8.37229151	320633	11.62770848	65
36	8.37537549	318105	9.99987764	180	8.37549785	318286	11.62450214	64
37	8.37855655	315791	9.99987583	181	8.37868071	315973	11.62131928	63
38	8.38171446	313510	9.99987401	183	8.38184044	313693	11.61815955	62
39	8.38484956	311262	9.99987218	184	8.38497738	311446	11.61502261	61
40	8.38796218	309045	9.99987033	185	8.38809184	309231	11.61190815	60
41	8.39105264	306860	9.99986848	187	8.39118416	307048	11.60881583	59
42	8.39412125	304706	9.99986660	188	8.39425464	304895	11.60574535	58
43	8.39716831	302582	9.99986472	189	8.39730359	302772	11.60269640	57
44	8.40019413	300487	9.99986282	191	8.40033131	300678	11.59966868	56
45	8.40319901	298421	9.99986091	192	8.40333809	298613	11.59666190	55
46	8.40618322	296383	9.99985898	193	8.40632423	296577	11.59367576	54
47	8.40914705	294373	9.99985704	195	8.40929000	294568	11.59070999	53
48	8.41209078	292389	9.99985509	196	8.41223569	292586	11.58776431	52
49	8.41501468	290433	9.99985313	197	8.41516153	290630	11.58483844	51
			Sinus	Dif		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	8.41791901	288502	9.99985115	199	8.41805786	288701	11.58193213	50
51	8.42080403	286597	9.99984916	200	8.42095487	286797	11.57904512	49
52	8.42367001	284717	9.99984715	201	8.42382285	284918	11.57617714	48
53	8.42651718	282861	9.99984513	203	8.42667204	283064	11.57332795	47
54	8.42934579	281029	9.99984310	204	8.42950268	281234	11.57049731	46
55	8.43215609	279221	9.99984106	205	8.43231502	279427	11.56768497	45
56	8.43494830	277436	9.99983900	207	8.43510930	277643	11.56489069	44
57	8.43772267	275673	9.99983693	208	8.43788573	275882	11.56211426	43
58	8.44047941	273933	9.99983485	209	8.44064456	274143	11.55935543	42
59	8.44321874	272215	9.99983275	211	8.44338599	272426	11.55661400	41
60	8.44594090	270518	9.99983064	212	8.44611026	270730	11.55388973	40
61	8.44864608	268842	9.99982851	213	8.44881757	269056	11.55118242	39
62	8.45133451	267187	9.99982638	215	8.45150813	267402	11.54849186	38
63	8.45400638	265552	9.99982423	216	8.45418215	265768	11.54581784	37
64	8.45666191	263937	9.99982206	217	8.45683984	264154	11.54316015	36
65	8.45930128	262341	9.99981989	219	8.45948139	262560	11.54051860	35
66	8.46192469	260764	9.99981770	220	8.46210699	260985	11.53789300	34
67	8.46453234	259207	9.99981549	221	8.46471684	259428	11.53528315	33
68	8.46712441	257667	9.99981328	222	8.46731113	257890	11.53268886	32
69	8.46970109	256147	9.99981105	224	8.46989004	256371	11.53010995	31
70	8.47226256	254643	9.99980880	225	8.47245375	254869	11.52754624	30
71	8.47480900	253158	9.99980655	226	8.47500245	253384	11.52499754	29
72	8.47734058	251689	9.99980428	228	8.47753630	251917	11.52246369	28
73	8.47985747	250238	9.99980199	229	8.48005547	250467	11.51994452	27
74	8.48235985	248803	9.99979970	230	8.48256015	249034	11.51743984	26
75	8.48484788	247384	9.99979739	232	8.48505049	247616	11.51494950	25
76	8.48732173	245982	9.99979507	233	8.48752666	246215	11.51247333	24
77	8.48978155	244595	9.99979273	234	8.48998881	244830	11.51001118	23
78	8.49222750	243224	9.99979038	236	8.49243712	243460	11.50756287	22
79	8.49465974	241868	9.99978802	237	8.49487172	242105	11.50512827	21
80	8.49707843	240527	9.99978564	238	8.49729278	240766	11.50270721	20
81	8.49948370	239201	9.99978326	240	8.49970044	239441	11.50029955	19
82	8.50187571	237889	9.99978085	241	8.50209485	238131	11.49790514	18
83	8.50425461	236592	9.99977844	242	8.50447617	236835	11.49552382	17
84	8.50662053	235309	9.99977601	244	8.50684452	235553	11.49315547	16
85	8.50897363	234039	9.99977357	245	8.50920005	234285	11.49079994	15
86	8.51131402	232783	9.99977111	246	8.51154291	233030	11.48845708	14
87	8.51364186	231541	9.99976865	248	8.51387321	231789	11.48612678	13
88	8.51595728	230312	9.99976616	249	8.51619111	230561	11.48380888	12
89	8.51826040	229096	9.99976367	250	8.51849673	229346	11.48150326	11
90	8.52055136	227892	9.99976116	252	8.52079020	228144	11.47920979	10
91	8.52283029	226701	9.99975864	253	8.52307165	226955	11.47692834	9
92	8.52509731	225523	9.99975611	254	8.52534120	225777	11.47465879	8
93	8.52735254	224356	9.99975356	256	8.52759898	224612	11.47240101	7
94	8.52959611	223202	9.99975100	257	8.52984510	223459	11.47015489	6
95	8.53182813	222059	9.99974842	258	8.53207970	222318	11.46792029	5
96	8.53404873	220928	9.99974584	260	8.53430289	221188	11.46569710	4
97	8.53625802	219809	9.99974324	261	8.53651478	220070	11.46348521	3
98	8.53845611	218701	9.99974062	262	8.53871548	218963	11.46188451	2
99	8.54064312	217603	9.99973799	264	8.54090512	217867	11.45909487	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	8.54281916	216517	9.99973535	265	8.54308380	216783	11.45691619	100
1	8.54498434	215442	9.99973270	266	8.54525163	215709	11.45474836	99
2	8.54713876	214377	9.99973003	268	8.54740872	214645	11.45259127	98
3	8.54928254	213323	9.99972735	269	8.54955518	213592	11.45044481	97
4	8.55141577	212279	9.99972466	270	8.55169110	212549	11.44830889	96
5	8.55353856	211245	9.99972195	271	8.55381660	211517	11.44618339	95
6	8.55565101	210221	9.99971923	273	8.55593177	210494	11.44406822	94
7	8.55775323	209207	9.99971650	274	8.55803672	209482	11.44196327	93
8	8.55984530	208203	9.99971375	275	8.56013154	208479	11.43986845	92
9	8.56192733	207208	9.99971099	277	8.56221633	207485	11.43778366	91
10	8.56399942	206223	9.99970822	278	8.56429119	206501	11.43570880	90
11	8.56606165	205247	9.99970544	279	8.56635621	205527	11.43364378	89
12	8.56811412	204280	9.99970264	281	8.56841148	204561	11.43158851	88
13	8.57015693	203323	9.99969982	282	8.57045710	203605	11.42954289	87
14	8.57219016	202374	9.99969700	283	8.57249315	202657	11.42750684	86
15	8.57421390	201434	9.99969416	285	8.57451973	201719	11.42548026	85
16	8.57622824	200502	9.99969131	286	8.57653693	200789	11.42346306	84
17	8.57823327	199580	9.99968844	287	8.57854482	199867	11.42145517	83
18	8.58022907	198665	9.99968556	289	8.58054350	198954	11.41945649	82
19	8.58221572	197759	9.99968267	290	8.58253305	198050	11.41746694	81
20	8.58419332	196862	9.99967977	291	8.58451355	197153	11.41548644	80
21	8.58616194	195972	9.99967685	293	8.58648509	196265	11.41351490	79
22	8.58812167	195090	9.99967392	294	8.58844775	195385	11.41155224	78
23	8.59007257	194216	9.99967097	295	8.59040160	194512	11.40959839	77
24	8.59201474	193350	9.99966801	297	8.59234673	193648	11.40765326	76
25	8.59394825	192492	9.99966504	298	8.59428321	192791	11.40571678	75
26	8.59587318	191641	9.99966206	299	8.59621112	191941	11.40378887	74
27	8.59778960	190798	9.99965906	301	8.59813054	191099	11.40186945	73
28	8.59969758	189962	9.99965605	302	8.60004153	190265	11.39995846	72
29	8.60159721	189134	9.99965303	303	8.60194419	189437	11.39805581	71
30	8.60348855	188312	9.99964998	305	8.60383856	188617	11.39616143	70
31	8.60537168	187498	9.99964693	306	8.60572474	187804	11.39427525	69
32	8.60724666	186691	9.99964387	307	8.60760279	186998	11.39239720	68
33	8.60911358	185890	9.99964079	309	8.60947278	186199	11.39052721	67
34	8.61097248	185097	9.99963770	310	8.61133478	185407	11.38866521	66
35	8.61282345	184310	9.99963460	311	8.61318885	184621	11.38681114	65
36	8.61466655	183530	9.99963148	313	8.61503507	183843	11.38496492	64
37	8.61650185	182756	9.99962835	314	8.61687350	183070	11.38312649	63
38	8.61832942	181989	9.99962521	315	8.61870421	182304	11.38129578	62
39	8.62014931	181228	9.99962205	317	8.62052726	181545	11.37947273	61
40	8.62196159	180474	9.99961888	318	8.62234271	180792	11.37765728	60
41	8.62376634	179725	9.99961569	319	8.62415064	180045	11.37584935	59
42	8.62556359	178983	9.99961250	321	8.62595109	179304	11.37404890	58
43	8.62735343	178247	9.99960929	322	8.62774414	178570	11.37225585	57
44	8.62913591	177517	9.99960606	323	8.62952984	177841	11.37047015	56
45	8.63091109	176794	9.99960283	324	8.63130826	177118	11.36869173	55
46	8.63267903	176075	9.99959958	326	8.63307945	176402	11.36692054	54
47	8.63443979	175363	9.99959631	327	8.63484347	175691	11.36515652	53
48	8.63619343	174657	9.99959304	328	8.63660038	174985	11.36339961	52
49	8.63794000	173956	9.99958975	330	8.63835024	174286	11.36164975	51
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	8.63967956	173260	9.99958645	331	8.64009311	173592	11.35990688	50
51	8.64141216	172571	9.99958313	332	8.64182903	172903	11.35817096	49
52	8.64313787	171886	9.99957980	334	8.64355807	172220	11.35644192	48
53	8.64485674	171207	9.99957646	335	8.64528028	171543	11.35471971	47
54	8.64656882	170534	9.99957310	336	8.64699571	170871	11.35300428	46
55	8.64827416	169865	9.99956973	338	8.64870442	170204	11.35129557	45
56	8.64997282	169202	9.99956635	339	8.65040646	169542	11.34959353	44
57	8.65166485	168544	9.99956296	340	8.65210188	168885	11.34789811	43
58	8.65335029	167891	9.99955955	342	8.65379074	168234	11.34620925	42
59	8.65502921	167243	9.99955612	343	8.65547308	167587	11.34452691	41
60	8.65670165	166601	9.99955269	344	8.65714896	166945	11.34285103	40
61	8.65836766	165963	9.99954924	346	8.65881841	166309	11.34118158	39
62	8.66002729	165329	9.99954578	347	8.66048151	165677	11.33951848	38
63	8.66168059	164701	9.99954230	348	8.66213828	165050	11.33786171	37
64	8.66332761	164078	9.99953881	350	8.66378879	164428	11.33621120	36
65	8.66496839	163459	9.99953531	351	8.66543307	163810	11.33456692	35
66	8.66660298	162844	9.99953180	352	8.66707118	163197	11.33292881	34
67	8.66823143	162235	9.99952827	354	8.66870315	162589	11.33129684	33
68	8.66985378	161630	9.99952473	355	8.67032905	161985	11.32967094	32
69	8.67147008	161029	9.99952117	356	8.67194890	161386	11.32805109	31
70	8.67308038	160433	9.99951761	358	8.67356277	160791	11.32643722	30
71	8.67468471	159841	9.99951402	359	8.67517068	160201	11.32482931	29
72	8.67628313	159254	9.99951043	360	8.67677269	159614	11.32322730	28
73	8.67787567	158670	9.99950682	362	8.67836884	159033	11.32163115	27
74	8.67946238	158092	9.99950320	363	8.67995917	158455	11.32004082	26
75	8.68104330	157517	9.99949957	364	8.68154373	157882	11.31845626	25
76	8.68261847	156946	9.99949592	366	8.68312255	157312	11.31687744	24
77	8.68418794	156380	9.99949226	367	8.68469568	156747	11.31530432	23
78	8.68575174	155817	9.99948859	368	8.68626315	156186	11.31373684	22
79	8.68730992	155259	9.99948490	370	8.68782502	155629	11.31217497	21
80	8.68886252	154705	9.99948120	371	8.68938131	155076	11.31061868	20
81	8.69040957	154154	9.99947748	372	8.69093208	154527	11.30906791	19
82	8.69195111	153608	9.99947375	374	8.69247735	153982	11.30752264	18
83	8.69348720	153065	9.99947002	375	8.69401717	153440	11.30598282	17
84	8.69501785	152526	9.99946626	376	8.69555158	152903	11.30444841	16
85	8.69654312	151991	9.99946250	378	8.69708061	152369	11.30291938	15
86	8.69806303	151459	9.99945872	379	8.69860431	151839	11.30139568	14
87	8.69957763	150932	9.99945492	380	8.70012270	151312	11.29987729	13
88	8.70108695	150408	9.99945112	381	8.70163583	150790	11.29836416	12
89	8.70259103	149887	9.99944730	383	8.70314373	150271	11.29685626	11
90	8.70408991	149370	9.99944346	384	8.70464645	149755	11.29535354	10
91	8.70558362	148857	9.99943962	385	8.70614400	149243	11.29385599	9
92	8.70707220	148347	9.99943576	387	8.70763644	148735	11.29236355	8
93	8.70855568	147841	9.99943188	388	8.70912379	148230	11.29087620	7
94	8.71003409	147338	9.99942800	389	8.71060609	147728	11.28939390	6
95	8.71150748	146839	9.99942410	391	8.71208338	147230	11.28791661	5
96	8.71297587	146343	9.99942018	392	8.71355568	146735	11.28644431	4
97	8.71443930	145850	9.99941626	393	8.71502304	146244	11.28497695	3
98	8.71589781	145360	9.99941232	395	8.71648548	145756	11.28351451	2
99	8.71735141	144874	9.99940837	396	8.71794304	145271	11.28205695	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	8.71880016	144391	9.99940440	397	8.71939575	144789	11.28060424	100
1	8.72024407	143911	9.99940042	399	8.72084365	144311	11.27915634	99
2	8.72168319	143435	9.99939643	400	8.72228676	143835	11.27771323	98
3	8.72311754	142961	9.99939242	401	8.72372511	143363	11.27627488	97
4	8.72454716	142491	9.99938841	403	8.72515877	142894	11.27484124	96
5	8.72597207	142023	9.99938437	404	8.72658769	142428	11.27341230	95
6	8.72739231	141559	9.99938033	405	8.72801198	141965	11.27198801	94
7	8.72880791	141098	9.99937627	407	8.72943163	141505	11.27056836	93
8	8.73021889	140640	9.99937220	408	8.73084669	141048	11.26915330	92
9	8.73162530	140184	9.99936811	409	8.73225718	140594	11.26774281	91
10	8.73302715	239732	9.99936401	411	8.73366313	140143	11.26633686	90
11	8.73442447	139283	9.99935990	412	8.73506456	139695	11.26493543	89
12	8.73581730	138836	9.99935578	413	8.73646152	139250	11.26353847	88
13	8.73720567	138392	9.99935164	415	8.73785402	138807	11.26214597	87
14	8.73858960	137951	9.99934749	416	8.73924210	138368	11.26075789	86
15	8.73996911	137513	9.99934332	417	8.74062579	137931	11.25937420	85
16	8.74134425	137078	9.99933914	419	8.74200510	137497	11.25799489	84
17	8.74271503	136645	9.99933495	420	8.74338008	137066	11.25661991	83
18	8.74408149	136215	9.99933075	421	8.74475074	136637	11.25524925	82
19	8.74544365	135788	9.99932653	423	8.74611712	136211	11.25388288	81
20	8.74680154	135364	9.99932230	424	8.74747923	135788	11.25252076	80
21	8.74815518	134943	9.99931805	425	8.74883712	135367	11.25116287	79
22	8.74950460	134522	9.99931380	427	8.75019080	134949	11.24980919	78
23	8.75084983	134106	9.99930953	428	8.75154030	134534	11.24845969	77
24	8.75219089	133691	9.99930524	429	8.75288564	134121	11.24711435	76
25	8.75352781	133280	9.99930094	431	8.75422686	133711	11.24577313	75
26	8.75486061	132871	9.99929663	432	8.75556397	133303	11.24443602	74
27	8.75618932	132464	9.99929231	433	8.75689701	132898	11.24310298	73
28	8.75751397	132060	9.99928797	435	8.75822599	132495	11.24177400	72
29	8.75883457	131658	9.99928362	436	8.75955095	132095	11.24044904	71
30	8.76015116	131259	9.99927926	437	8.76087190	131697	11.23912809	70
31	8.76146376	130862	9.99927488	439	8.76218887	131301	11.23781112	69
32	8.76277239	130468	9.99927049	440	8.76350189	130908	11.23649810	68
33	8.76407707	130076	9.99926609	441	8.76481098	130517	11.23518901	67
34	8.76537783	129686	9.99926167	443	8.76611616	130129	11.23388383	66
35	8.76667470	129299	9.99925724	444	8.76741745	129743	11.23258254	65
36	8.76796769	128913	9.99925280	445	8.76871489	129359	11.23128510	64
37	8.76925683	128531	9.99924834	447	8.77000848	128978	11.22999151	63
38	8.77054214	128150	9.99924387	448	8.77129826	128598	11 22870173	62
39	8.77182364	127772	9.99923939	449	8.77258425	128221	12.22741574	61
40	8.77310136	127396	9.99923489	450	8.77386647	127847	11.22613352	60
41	8.77437532	127022	9.99923038	452	8.77514494	127474	11.22485505	59
42	8.77564554	126650	9.99922586	453	8.77641968	127103	11.22358031	58
43	8.77691205	126280	9.99922132	454	8.77769072	126735	11.22230927	57
44	8.77817486	125913	9.99921677	456	8.77895808	126369	11.22104191	56
45	8.77943399	125547	9.99921221	457	8.78022178	126005	11.21977821	55
46	8.78068947	125184	9.99920763	458	8.78148183	125643	11.21851816	54
47	8.78194132	124823	9.99920304	460	8.78273827	125283	11.21726172	53
48	8.78318955	124464	9.99919844	461	8.78399111	124926	11.21600888	52
49	8.78443420	124107	9.99919382	462	8.78524037	124570	11.21475962	51
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	8.78567527	123752	9.99918919	464	8.78648608	124216	11.21351391	50
51	8.78691280	123399	9.99918455	465	8.78772825	123865	11.21227174	49
52	8.78814680	123048	9.99917989	466	8.78896690	123515	11.21103309	48
53	8.78937728	122699	9.99917522	468	8.79020205	123167	11.20979794	47
54	8.79060428	122352	9.99917054	469	8.79143373	122822	11.20856626	46
55	8.79182781	122007	9.99916585	470	8.79266196	122478	11.20733803	45
56	8.79304789	121664	9.99916114	472	8.79388674	122136	11.20611325	44
57	8.79426453	121323	9.99915641	473	8.79510811	121796	11.20489188	43
58	8.79547776	120984	9.99915168	474	8.79632608	121458	11.20367391	42
59	8.79668760	120646	9.99914693	476	8.79754067	121122	11.20245932	41
60	8.79789407	120311	9.99914217	477	8.79875190	120788	11.20124809	40
61	8.79909718	119977	9.99913739	478	8.79995979	120456	11.20004200	39
62	8.80029696	119645	9.99913260	480	8.80116435	120125	11.19883564	38
63	8.80149341	119315	9.99912780	481	8.80236561	119797	11.19763438	37
64	8.80268657	118987	9.99912299	482	8.80356358	119470	11.19643641	36
65	8.80387644	118660	9.99911816	484	8.80475828	119145	11.19524171	35
66	8.80506305	118336	9.99911332	485	8.80594973	118821	11.19405026	34
67	8.80624641	118013	9.99910846	486	8.80713795	118500	11.19286204	33
68	8.80742654	117692	9.99910359	488	8.80832295	118180	11.19167704	32
69	8.80860347	117372	9.99909871	489	8.80950475	117862	11.19049524	31
70	8.80977719	117055	9.99909381	490	8.81068337	117545	11.18931662	30
71	8.81094775	116739	9.99908891	492	8.81185883	117231	11.18814116	29
72	8.81211514	116424	9.99908398	493	8.81303115	116918	11.18696884	28
73	8.81327939	116112	9.99907905	494	8.81420033	116607	11.18579966	27
74	8.81444051	115801	9.99907410	496	8.81536640	116297	11.18463359	26
75	8.81559852	115492	9.99906914	497	8.81652938	115989	11.18347061	25
76	8.81675344	115184	9.99906417	498	8.81768927	115683	11.18231072	24
77	8.81790529	114878	9.99905918	500	8.81884611	115378	11.18115388	23
78	8.81905407	114574	9.99905418	501	8.81999989	115075	11.18000010	22
79	8.82019981	114271	9.99904916	502	8.82115065	114774	11.17884934	21
80	8.82134253	113970	9.99904413	504	8.82229839	114474	11.17770160	20
81	8.82248223	113670	9.99903909	505	8.82344313	114175	11.17655686	19
82	8.82361893	113372	9.99903404	506	8.82458489	113879	11.17541510	18
83	8.82475265	113075	9.99902897	508	8.82572368	113583	11.17427631	17
84	8.82588341	112780	9.99902389	509	8.82685952	113290	11.17314047	16
85	8.82701122	112487	9.99901879	510	8.82799242	112998	11.17200757	15
86	8.82813610	112195	9.99901369	512	8.82912240	112707	11.17087759	14
87	8.82925805	111905	9.99900857	513	8.83024948	112418	11.16975051	13
88	8.83037710	111616	9.99900343	514	8.83137367	112130	11.16862632	12
89	8.83149327	111328	9.99899828	516	8.83249498	111844	11.16750501	11
90	8.83260655	111042	9.99899312	517	8.83361342	111560	11.16638657	10
91	8.83371698	110758	9.99898795	518	8.83472903	111277	11.16527096	9
92	8.83482456	110475	9.99898276	520	8.83584180	110995	11.16415819	8
93	8.83592932	110193	9.99897756	521	8.83695175	110714	11.16304824	7
94	8.83703125	109913	9.99897235	522	8.83805890	110436	11.16194109	6
95	8.83813039	109634	9.99896712	524	8.83916326	110158	11.16083673	5
96	8.83922673	109357	9.99896188	525	8.84026485	109882	11.15973514	4
97	8.84032030	109081	9.99895663	526	8.84136367	109607	11.15863632	3
98	8.84141111	108806	9.99895136	528	8.84245975	109334	11.15754024	2
99	8.84249918	108533	9.99894608	529	8.84355310	109062	11.15644689	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	8.84358451	108261	9.99894078	530	8.84464372	108792	11.15535627	100
1	8.84466713	107990	9.99893548	532	8.84573165	108522	11.15426834	99
2	8.84574704	107721	9.99893016	533	8.84681687	108255	11.15318312	98
3	8.84682425	107453	9.99892482	534	8.84789943	107988	11.15210056	97
4	8.84789879	107187	9.99891948	536	8.84897931	107723	11.15102068	96
5	8.84897067	106922	9.99891412	537	8.85005655	107459	11.14994344	95
6	8.85003989	106658	9.99890874	538	8.85113114	107196	11.14886885	94
7	8.85110647	106395	9.99890336	540	8.85220311	106935	11.14779688	93
8	8.85217043	106134	9.99889796	541	8.85327247	106675	11.14672752	92
9	8.85323177	105874	9.99889254	542	8.85433922	106416	11.14566077	91
10	8.85429051	105615	9.99888712	543	8.85540339	106159	11.14459660	90
11	8.85534667	105357	9.99888168	545	8.85646499	105903	11.14353500	89
12	8.85640025	105101	9.99887622	546	8.85752402	105648	11.14247597	88
13	8.85745126	104846	9.99887076	547	8.85858050	105394	11.14141949	87
14	8.85849973	104592	9.99886528	549	8.85963445	105142	11.14036554	86
15	8.85954565	104340	9.99885978	550	8.86068587	104890	11.13931412	85
16	8.86058906	104088	9.99885428	551	8.86173477	104640	11.13826522	84
17	8.86162994	103838	9.99884876	553	8.86278118	104391	11.13721881	83
18	8.86266833	103589	9.99884322	554	8.86382510	104144	11.13617489	8_2
19	8.86370422	103341	9.99883768	555	8.86486654	103897	11.13513345	8_1
20	8.86473764	103095	9.99883212	557	8.86590552	103652	11.13409447	-80
21	8.86576859	102849	9.99882655	558	8.86694204	103408	11.13305795	79
22	8.86679709	102605	9.99882096	559	8.86797612	103165	11.13202387	78
23	8.86782314	102362	9.99881536	561	8.86900777	102923	11.13099222	77
24	8.86884676	102120	9.99880975	562	8.87003701	102682	11.12996298	76
25	8.86986796	101879	9.99880412	563	8.87106383	102443	11.12893616	75
26	8.87088675	101639	9.99879848	565	8.87208827	102204	11.12791172	74
27	8.87190315	101400	9.99879283	566	8.87311031	101967	11.12688968	73
28	8.87291716	101163	9.99878716	567	8.87412999	101731	11.12587000	72
29	8.87392879	100926	9.99878148	569	8.87514730	101496	11.12485269	71
30	8.87493806	100691	9.99877579	570	8.87616226	101262	11.12383773	70
31	8.87594497	100457	9.99877008	571	8.87717488	101029	11.12282511	69
32	8.87694955	100224	9.99876436	573	8.87818518	100797	11.12181481	68
33	8.87795179	99992	9.99875863	574	8.87919315	100566	11.12080684	67
34	8.87895171	99761	9.99875289	575	8.88019882	100336	11.11980117	66
35	8.87994932	99531	9.99874713	577	8.88120219	100108	11.11879780	65
36	8.88094463	99302	9.99874135	578	8.88220327	99880	11.11779672	64
37	8.88193765	99074	9.99873557	579	8.88320208	99654	11.11679791	63
38	8.88292839	98847	9.99872977	581	8.88419862	99428	11 11580137	62
39	8.88391687	98621	9.99872396	582	8.88519291	99204	11.11480708	61
40	8.88490309	98396	9.99871813	583	8.88618495	98980	11.11381504	60
41	8.88588706	98173	9.99871229	585	8.88717476	98758	11.11282523	59
42	8.88686879	97950	9.99870644	586	8.88816234	98537	11.11183765	58
43	8.88784829	97728	9.99870057	587	8.88914771	98316	11.11085228	57
44	8.88882558	97507	9.99869470	589	8.89013088	98097	11.10986911	56
45	8.88980066	97288	9.99868880	590	8.89111185	97878	11.10888814	55
46	8.89077354	97069	9.99868290	591	8.89209064	97661	11.10790935	54
47	8.89174424	96851	9.99867698	593	8.89306725	97444	11.10693274	53
48	8.89271276	96634	9.99867105	594	8.89404170	97229	11.10595829	52
49	8.89367910	96418	9.99866510	595	8.89501400	97014	11.10498599	51
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	8.89464329	96204	9.99865914	597	8.89598415	96801	11.10401584	50°
51	8.89560533	95990	9.99865317	598	8.89695216	96588	11.10304783	49
52	8.89656524	95777	9.99864718	599	8.89791805	96376	11.10208194	48
53	8.89752301	95565	9.99864119	601	8.89888182	96166	11.10111817	47
54	8.89847866	95353	9.99863517	602	8.89984348	95956	11.10015651	46
55	8.89943219	95143	9.99862915	603	8.90080304	95747	11.09919695	45
56	8.90038363	94934	9.99862311	605	8.90176052	95539	11.09823947	44
57	8.90133297	94725	9.99861706	606	8.90271591	95331	11.09728408	43
58	8.90228023	94518	9.99861099	607	8.90366924	95126	11.09633075	42
59	8.90322542	94311	9.99860491	609	8.90462050	94921	11.09537949	41
60	8.90416854	94106	9.99859882	610	8.90556971	94716	11.09443028	40
61	8.90510960	93901	9.99859272	611	8.90651688	94513	11.09348311	39
62	8.90604861	93697	9.99858660	613	8.90746201	94310	11.09253798	38
63	8.90698559	93494	9.99858047	614	8.90840512	94109	11.09159487	37
64	8.90792053	93292	9.99857432	615	8.90934621	93908	11.09065378	36
65	8.90885346	93091	9.99856817	617	8.91028529	93708	11.08971470	35
66	8.90978437	92890	9.99856199	618	8.91122237	93509	11.08877762	34
67	8.91071327	92691	9.99855581	619	8.91215746	93310	11.08784253	33
68	8.91164018	92492	9.99854961	621	8.91309057	93113	11.08690942	32
69	8.91256511	92294	9.99854339	622	8.91402171	92916	11.08597828	31
70	8.91348805	92097	9.99853717	623	8.91495088	92721	11.08504911	30
71	8.91440902	91901	9.99853093	625	8.91587809	92526	11.08412190	29
72	8.91532803	91705	9.99852468	626	8.91680335	92332	11.08319664	28
73	8.91624509	91511	9.99851841	627	8.91772667	92139	11.08227332	27
74	8.91716020	91317	9.99851214	629	8.91864806	91946	11.08135193	26
75	8.91807338	91124	9.99850584	630	8.91956753	91755	11.08043246	25
76	8.91898462	90932	9.99849954	631	8.92048508	91564	11.07951491	24
77	8.91989395	90741	9.99849322	633	8.92140072	91374	11.07859927	23
78	8.92080136	90550	9.99848689	634	8.92231446	91185	11.07768553	22
79	8.92170686	90360	9.99848054	635	8.92322632	90996	11.07677357	21
80	8.92261047	90171	9.99847419	637	8.92413628	90809	11.07586371	20
81	8.92351219	89983	9.99846781	638	8.92504437	90622	11.07495562	19
82	8.92441203	89796	9.99846143	639	8.92595060	90436	11.07404939	18
83	8.92530999	89609	9.99845503	641	8.92685496	90250	11.07314503	17
84	8.92620609	89423	9.99844862	642	8.92775747	90066	11.07224252	16
85	8.92710033	89238	9.99844219	643	8.92865813	89882	11.07134186	15
86	8.92799272	89054	9.99843576	645	8.92955696	89699	11.07044303	14
87	8.92888327	88870	9.99842930	646	8.93045396	89517	11.06954603	13
88	8.92977198	88688	9.99842284	647	8.93134913	89336	11.06865086	12
89	8.93065886	88506	9.99841636	649	8.93224249	89155	11.06775750	11
90	8.93154392	88324	9.99840987	650	8.93313404	88975	11.06686595	10
91	8.93242717	88144	9.99840336	651	8.93402380	88796	11.06597619	9
92	8.93330861	87964	9.99839685	653	8.93491176	88617	11.06508823	8
93	8.93418825	87785	9.99839032	654	8.93579793	88439	11.06420206	7
94	8.93506610	87606	9.99838377	655	8.93668233	88262	11.06331766	6
95	8.93594217	87429	9.99837721	657	8.93756496	88086	11.06243503	5
96	8.93681646	87252	9.99837064	658	8.93844582	87910	11.06155417	4
97	8.93768899	87075	9.99836406	659	8.93932493	87735	11.06067506	3
98	8.93855974	86900	9.99835746	661	8.94020228	87561	11.05979771	2
99	8.93942875	86725	9.99835085	662	8.94107790	87387	11.05892209	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	8.94029600	86551	9.99834422	663	8.94195178	87215	11.05804821	100
1	8.94116152	86377	9.99833758	665	8.94282393	87043	11.05717606	99
2	8.94202530	86205	9.99833093	666	8.94369436	86871	11.05630563	98
3	8.94288735	86032	9.99832427	667	8.94456307	86700	11.05543692	97
4	8.94374768	85861	9.99831759	669	8.94543008	86530	11.05456991	96
5	8.94460629	85690	9.99831090	670	8.94629539	86361	11.05370460	95
6	8.94546320	85520	9.99830419	671	8.94715900	86192	11.05284099	94
7	8.94631841	85351	9.99829747	673	8.94802093	86024	11.05197906	93
8	8.94717192	85182	9.99829074	674	8.94888117	85857	11.05111882	92
9	8.94802375	85014	9.99828400	675	8.94973975	85690	11.05026024	91
10	8.94887389	84847	9.99827724	677	8.95059665	85524	11.04940334	90
11	8.94972237	84680	9.99827047	678	8.95145189	85358	11.04854810	89
12	8.95056917	84514	9.99826368	679	8.95230548	85194	11.04769451	88
13	8.95141431	84348	9.99825688	681	8.95315742	85029	11.04684257	87
14	8.95225780	84183	9.99825007	682	8.95400772	84866	11.04599227	86
15	8.95309964	84019	9.99824325	683	8.95485639	84703	11.04514360	85
16	8.95393984	83856	9.99823641	685	8.95570342	84541	11.04429657	84
17	8.95477840	83693	9.99822956	686	8.95654884	84379	11.04345115	83
18	8.95561533	83531	9.99822269	687	8.95739264	84218	11.04260735	82
19	8.95645065	83369	9.99821582	689	8.95823483	84058	11.04176517	81
20	8.95728434	83208	9.99820892	690	8.95907541	83898	11.04092458	80
21	8.95811642	83047	9.99820202	691	8.95991440	83739	11.04008559	79
22	8.95894690	82888	9.99819510	693	8.96075180	83581	11.03924819	78
23	8.95977578	82728	9.99818817	694	8.96158761	83423	11.03841238	77
24	8.96060307	82570	9.99818122	695	8.96242184	83266	11.03757815	76
25	8.96142877	82412	9.99817427	697	8.96325450	83109	11.03674549	75
26	8.96225289	82254	9.99816729	698	8.96408559	82953	11.03591440	74
27	8.96307544	82097	9.99816031	699	8.96491513	82797	11.03508486	73
28	8.96389642	81941	9.99815331	701	8.96574311	82642	11.03425688	72
29	8.96471584	81786	9.99814630	702	8.96656953	82488	11.03343046	71
30	8.96553370	81631	9.99813927	703	8.96739442	82334	11.03260557	70
31	8.96635001	81476	9.99813224	705	8.96821777	82181	11.03178222	69
32	8.96716478	81322	9.99812518	706	8.96903959	82029	11.03096040	68
33	8.96797800	81169	9.99811812	707	8.96985988	81877	11.03014011	67
34	8.96878970	81016	9.99811104	709	8.97067865	81725	11.02932134	66
35	8.96959987	80864	9.99810395	710	8.97149591	81574	11.02850408	65
36	8.97040851	80712	9.99809684	711	8.97231166	81424	11.02768833	64
37	8.97121564	80561	9.99808973	713	8.97312591	81275	11.02687408	63
38	8.97202126	80411	9.99808259	714	8.97393866	81125	11.02606133	62
39	8.97282537	80261	9.99807545	715	8.97474992	80977	11.02525007	61
40	8.97362798	80112	9.99806829	717	8.97555969	80829	11.02444030	60
41	8.97442911	79963	9.99806112	718	8.97636798	80681	11.02363201	59
42	8.97522874	79814	9.99805393	719	8.97717480	80534	11.02282519	58
43	8.97602689	79667	9.99804674	721	8.97798015	80388	11.02201984	57
44	8.97682356	79520	9.99803952	722	8.97878403	80242	11.02121596	56
45	8.97761876	79373	9.99803230	723	8.97958645	80097	11.02041354	55
46	8.97841249	79227	9.99802506	725	8.98038743	79952	11.01961256	54
47	8.97920476	79081	9.99801781	726	8.98118695	79808	11.01881304	53
48	8.97999558	78936	9.99801054	727	8.98198503	79664	11.01801496	52
49	8.98078495	78792	9.99800326	729	8.98278168	79521	11.01721831	51
			Sinus	Dif		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	8.98157287	78648	9.99799597	730	8.98357689	79378	11.01642310	50
51	8.98235935	78504	9.99798867	731	8.98437067	79236	11.01562932	49
52	8.98314439	78361	9.99798135	733	8.98516304	79094	11.01483695	48
53	8.98392801	78219	9.99797402	734	8.98595399	78953	11.01404600	47
54	8.98471020	78077	9.99796667	735	8.98674352	78813	11.01325647	46
55	8.98549097	77935	9.99795931	737	8.98753165	78672	11.01246834	45
56	8.98627033	77794	9.99795194	738	8.98831838	78533	11.01168161	44
57	8.98704828	77654	9.99794456	739	8.98910372	78394	11.01089627	43
58	8.98782482	77514	9.99793716	741	8.98988766	78255	11.01011233	42
59	8.98859996	77375	9.99792974	742	8.99067021	78117	11.00932978	41
60	8.98937371	77236	9.99792232	743	8.99145139	77979	11.00854860	40
61	8.99014608	77097	9.99791488	745	8.99223119	77842	11.00776880	39
62	8.99091705	76959	9.99790743	746	8.99300962	77706	11.00699037	38
63	8.99168665	76822	9.99789996	747	8.99378668	77570	11.00621331	37
64	8.99245487	76685	9.99789248	749	8.99456238	77434	11.00543761	36
65	8.99322172	76548	9.99788499	750	8.99533673	77299	11.00466326	35
66	8.99398721	76412	9.99787749	751	8.99610972	77164	11.00389027	34
67	8.99475134	76277	9.99786997	753	8.99688137	77030	11.00311862	33
68	8.99551411	76142	9.99786243	754	8.99765167	76896	11.00234832	32
69	8.99627554	76007	9.99785489	755	8.99842064	76763	11.00157935	31
70	8.99703561	75873	9.99784733	757	8.99918828	76630	11.00081171	30
71	8.99779435	75739	9.99783976	758	8.99995458	76498	11.00004541	29
72	8.99855175	75606	9.99783217	759	9.00071957	76366	10.99928042	28
73	8.99930781	75473	9.99782457	761	9.00148323	76235	10.99851676	27
74	9.00006255	75341	9.99781696	762	9.00224559	76104	10.99775440	26
75	9.00081597	75209	9.99780933	763	9.00300663	75973	10.99699336	25
76	9.00156807	75078	9.99780170	765	9.00376637	75843	10.99623362	24
77	9.00231885	74947	9.99779404	766	9.00452481	75714	10.99547518	23
78	9.00306833	74817	9.99778638	767	9.00528195	75585	10.99471804	22
79	9.00381650	74687	9.99777870	769	9.00603780	75456	10.99396219	21
80	9.00456338	74557	9.99777100	770	9.00679237	75328	10.99320762	20
81	9.00530895	74428	9.99776330	771	9.00754565	75200	10.99245434	19
82	9.00605324	74299	9.99775558	773	9.00829765	75073	10.99170233	18
83	9.00679624	74171	9.99774785	774	9.00904839	74946	10.99095160	17
84	9.00753796	74043	9.99774010	775	9.00979785	74819	10.99020214	16
85	9.00827840	73916	9.99773234	777	9.01054605	74693	10.98945394	15
86	9.00901756	73789	9.99772457	778	9.01129299	74568	10.98870700	14
87	9.00975546	73663	9.99771678	779	9.01203867	74443	10.98796132	13
88	9.01049209	73537	9.99770898	781	9.01278310	74318	10.98721689	12
89	9.01122746	73411	9.99770117	782	9.01352629	74194	10.98647370	11
90	9.01196158	73286	9.99769334	783	9.01426823	74070	10.98573176	10
91	9.01269444	73161	9.99768550	785	9.01500893	73946	10.98499106	9
92	9.01342606	73037	9.99767765	786	9.01574840	73823	10.98425159	8
93	9.01415643	72913	9.99766978	787	9.01648664	73701	10.98351335	7
94	9.01488556	72789	9.99766190	789	9.01722365	73579	10.98277634	6
95	9.01561346	72666	9.99765401	790	9.01795944	73457	10.98204055	5
96	9.01634013	72543	9.99764610	791	9.01869402	73335	10.98130597	4
97	9.01706556	72421	9.99763818	793	9.01942738	73214	10.98057261	3
98	9.01778978	72299	9.99763025	794	9.02015953	73094	10.97984046	2
99	9.01851278	72178	9.99762230	796	9.02089047	72974	10.97910952	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.01923456	72057	9.99761434	797	9.02162021	72854	10.97837978	100
1	9.01995513	71936	9.99760637	798	9.02234876	72735	10.97765123	99
2	9.02067450	71816	9.99759838	800	9.02307611	72616	10.97692388	98
3	9.02139266	71696	9.99759038	801	9.02380227	72497	10.97619772	97
4	9.02210962	71576	9.99758237	802	9.02452725	72379	10.97547274	96
5	9.02282539	71457	9.99757434	804	9.02525104	72261	10.97474895	95
6	9.02353997	71339	9.99756630	805	9.02597366	72144	10.97402633	94
7	9.02425336	71220	9.99755825	806	9.02669510	72027	10.97330489	93
8	9.02496557	71102	9.99755018	808	9.02741538	71910	10.97258461	92
9	9.02567659	70985	9.99754210	809	9.02813449	71794	10.97186550	91
10	9.02638645	70868	9.99753401	810	9.02885243	71678	10.97114756	90
11	9.02709513	70751	9.99752590	812	9.02956922	71563	10.97043077	89
12	9.02780264	70634	9.99751778	813	9.03028486	71448	10.96971513	88
13	9.02850899	70518	9.99750965	814	9.03099934	71333	10.96900065	87
14	9.02921418	70403	9.99750150	816	9.03171268	71219	10.96828731	86
15	9.02991821	70288	9.99749334	817	9.03242487	71105	10.96757512	85
16	9.03062109	70173	9.99748516	818	9.03313592	70991	10.96686407	84
17	9.03132282	70058	9.99747698	820	9.03384584	70878	10.96615415	83
18	9.03202341	69944	9.99746877	821	9.03455463	70765	10.96544536	82
19	9.03272285	69830	9.99746056	822	9.03526229	70653	10.96473770	81
20	9.03342116	69717	9.99745233	824	9.03596882	70541	10.96403117	80
21	9.03411833	69604	9.99744409	825	9.03667424	70429	10.96332576	79
22	9.03481437	69491	9.99743584	826	9.03737853	70318	10.96262146	78
23	9.03550929	69379	9.99742757	828	9.03808171	70207	10.96191828	77
24	9.03620308	69267	9.99741929	829	9.03878379	70096	10.96121620	76
25	9.03689575	69155	9.99741099	830	9.03948475	69986	10.96051524	75
26	9.03758731	69044	9.99740269	832	9.04018462	69876	10.95981537	74
27	9.03827775	68933	9.99739436	833	9.04088338	69766	10.95911661	73
28	9.03896708	68822	9.99738603	834	9.04158105	69657	10.95841894	72
29	9.03965531	68712	9.99737768	836	9.04227762	69548	10.95772237	71
30	9.04034244	68602	9.99736932	837	9.04297311	69440	10.95702688	70
31	9.04102846	68493	9.99736094	838	9.04366751	69332	10.95633248	69
32	9.04171340	68384	9.99735256	840	9.04436083	69224	10.95563916	68
33	9.04239724	68275	9.99734415	841	9.04505308	69116	10.95494691	67
34	9.04307999	68166	9.99733574	842	9.04574424	69009	10.95425575	66
35	9.04376166	68058	9.99732731	844	9.04643434	68902	10.95356565	65
36	9.04444224	67950	9.99731887	845	9.04712337	68796	10.95287662	64
37	9.04512175	67843	9.99731041	846	9.04781133	68690	10.95218866	63
38	9.04580018	67736	9.99730195	848	9.04849823	68584	10.95150176	62
39	9.04647754	67629	9.99729346	849	9.04918407	68478	10.95081592	61
40	9.04715384	67522	9.99728497	850	9.04986886	68373	10.95013113	60
41	9.04782906	67416	9.99727646	852	9.05055260	68268	10.94944739	59
42	9.04850323	67310	9.99726794	853	9.05123529	68164	10.94876470	58
43	9.04917634	67205	9.99725940	854	9.05191694	68060	10.94808305	57
44	9.04984840	67100	9.99725085	856	9.05259754	67956	10.94740245	56
45	9.05051940	66995	9.99724229	857	9.05327710	67853	10.94672289	55
46	9.05118935	66890	9.99723371	858	9.05395563	67749	10.94604436	54
47	9.05185826	66786	9.99722512	860	9.05463313	67647	10.94536686	53
48	9.05252613	66682	9.99721652	861	9.05530960	67544	10.94469039	52
49	9.05319296	66579	9.99720791	862	9.05598505	67442	10.94401494	51
			Sinus	Dif		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.05385875	66476	9.99719928	864	9.05665947	67340	10.94334052	50
51	9.05452351	66373	9.99719063	865	9.05733287	67238	10.94266712	49
52	9.05518724	66270	9.99718198	866	9.05800526	67137	10.94199473	48
53	9.05584995	66168	9.99717331	868	9.05867664	67036	10.94132335	47
54	9.05651163	66066	9.99716462	869	9.05934700	66935	10.94065299	46
55	9.05717230	65964	9.99715593	870	9.06001636	66835	10.93998363	45
56	9.05783194	65863	9.99714722	872	9.06068472	66735	10.93931527	44
57	9.05849057	65762	9.99713849	873	9.06135207	66635	10.93864792	43
58	9.05914820	65661	9.99712976	875	9.06201843	66536	10.93798156	42
59	9.05980481	65561	9.99712101	876	9.06268380	66437	10.93731619	41
60	9.06046042	65460	9.99711224	877	9.06334817	66338	10.93665182	40
61	9.06111503	65361	9.99710347	879	9.06401156	66240	10.93598843	39
62	9.06176864	65261	9.99709468	880	9.06467396	66141	10.93532603	38
63	9.06242125	65162	9.99708587	881	9.06533538	66043	10.93466461	37
64	9.06307288	65063	9.99707706	883	9.06599582	65946	10.93400417	36
65	9.06372351	64964	9.99706823	884	9.06665528	65849	10.93334471	35
66	9.06437316	64866	9.99705938	885	9.06731377	65752	10.93268622	34
67	9.06502182	64768	9.99705052	887	9.06797129	65655	10.93202870	33
68	9.06566950	64670	9.99704165	888	9.06862784	65558	10.93137215	32
69	9.06631621	64572	9.99703277	889	9.06928343	65462	10.93071656	31
70	9.06696194	64475	9.99702387	891	9.06993806	65366	10.93006193	30
71	9.06760669	64378	9.99701496	892	9.07059173	65271	10.92940826	29
72	9.06825048	64282	9.99700604	893	9.07124444	65176	10.92875555	28
73	9.06889331	64185	9.99699710	895	9.07189620	65081	10.92810379	27
74	9.06953517	64089	9.99698815	896	9.07254701	64986	10.92745298	26
75	9.07017607	63994	9.99697918	897	9.07319688	64891	10.92680311	25
76	9.07081601	63898	9.99697020	899	9.07384580	64797	10.92615419	24
77	9.07145499	63803	9.99696121	900	9.07449378	64703	10.92550621	23
78	9.07209303	63708	9.99695221	901	9.07514082	64610	10.92485917	22
79	9.07273011	63613	9.99694319	903	9.07578692	64517	10.92421307	21
80	9.07336625	63519	9.99693416	904	9.07643209	64424	10.92356790	20
81	9.07400145	63425	9.99692511	905	9.07707633	64331	10.92292366	19
82	9.07463570	63331	9.99691605	907	9.07771964	64238	10.92228035	18
83	9.07526902	63238	9.99690698	908	9.07836203	64146	10.92163796	17
84	9.07590140	63144	9.99689790	909	9.07900350	64054	10.92099649	16
85	9.07653285	63051	9.99688880	911	9.07964405	63963	10.92035594	15
86	9.07716337	62959	9.99687969	912	9.08028368	63871	10.91971631	14
87	9.07779296	62866	9.99687056	913	9.08092239	63780	10.91907760	13
88	9.07842163	62774	9.99686142	915	9.08156020	63689	10.91843979	12
89	9.07904937	62682	9.99685227	916	9.08219710	63599	10.91780289	11
90	9.07967620	62590	9.99684310	917	9.08283309	63508	10.91716690	10
91	9.08030210	62499	9.99683392	919	9.08346818	63418	10.91653181	9
92	9.08092710	62408	9.99682473	920	9.08410236	63328	10.91589763	8
93	9.08155118	62317	9.99681552	921	9.08473565	63239	10.91526434	7
94	9.08217436	62226	9.99680630	923	9.08536805	63150	10.91463194	6
95	9.08279663	62136	9.99679707	924	9.08599955	63061	10.91400044	5
96	9.08341799	62046	9.99678783	925	9.08663016	62972	10.91336983	4
97	9.08403845	61956	9.99677857	927	9.08725988	62883	10.91274011	3
98	9.08465802	61866	9.99676929	928	9.08788872	62795	10.91211127	2
99	9.08527669	61777	9.99676001	930	9.08851668	62707	10.91148331	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.14355530	53899	9.99575277	1065	9.14780252	54965	10.85219747	100
1	9.14409429	53831	9.99574211	1067	9.14835218	54898	10.85164781	99
2	9.14463261	53763	9.99573144	1068	9.14890116	54832	10.85109883	98
3	9.14517024	53695	9.99572075	1070	9.14944948	54765	10.85055051	97
4	9.14570720	53627	9.99571005	1071	9.14999714	54699	10.85000285	96
5	9.14624347	53560	9.99569934	1072	9.15054413	54633	10.84945586	95
6	9.14677908	53493	9.99568861	1074	9.15109046	54567	10.84890953	94
7	9.14731401	53426	9.99567787	1075	9.15163614	54501	10.84836385	93
8	9.14784827	53359	9.99566712	1076	9.15218115	54435	10.84781884	92
9	9.14838186	53292	9.99565635	1078	9.15272551	54370	10.84727448	91
10	9.14891479	53225	9.99564557	1079	9.15326921	54305	10.84673078	90
11	9.14944704	53159	9.99563477	1080	9.15381226	54239	10.84618773	89
12	9.14997863	53092	9.99562397	1082	9.15435466	54175	10.84564533	88
13	9.15050956	53026	9.99561314	1083	9.15489641	54110	10.84510358	87
14	9.15103983	52960	9.99560231	1084	9.15543752	54045	10.84456247	86
15	9.15156944	52894	9.99559146	1086	9.15597797	53981	10.84402203	85
16	9.15209839	52829	9.99558060	1087	9.15651778	53916	10.84348221	84
17	9.15262668	52763	9.99556972	1088	9.15705695	53852	10.84294304	83
18	9.15315431	52698	9.99555883	1090	9.15759548	53788	10.84240451	82
19	9.15368130	52633	9.99554793	1091	9.15813336	53724	10.84186663	81
20	9.15420763	52568	9.99553702	1092	9.15867061	53661	10.84132938	80
21	9.15473331	52503	9.99552609	1094	9.15920722	53597	10.84079277	79
22	9.15525834	52438	9.99551514	1095	9.15974320	53534	10.84025679	78
23	9.15578273	52374	9.99550419	1097	9.16027854	53471	10.83972145	77
24	9.15630647	52309	9.99549322	1098	9.16081325	53407	10.83918674	76
25	9.15682957	52245	9.99548223	1099	9.16134733	53345	10.83865266	75
26	9.15735202	52181	9.99547124	1101	9.16188078	53282	10.83811921	74
27	9.15787383	52117	9.99546022	1102	9.16241360	53219	10.83758639	73
28	9.15839501	52053	9.99544920	1103	9.16294580	53157	10.83705419	72
29	9.15891554	51989	9.99543816	1105	9.16347737	53094	10.83652262	71
30	9.15943544	51926	9.99542711	1106	9.16400832	53032	10.83599167	70
31	9.15995470	51863	9.99541605	1107	9.16453865	52970	10.83546134	69
32	9.16047333	51799	9.99540497	1109	9.16506836	52909	10.83493163	68
33	9.16099133	51736	9.99539388	1110	9.16559745	52847	10.83440254	67
34	9.16150870	51673	9.99538277	1111	9.16612592	52785	10.83387407	66
35	9.16202544	51611	9.99537165	1113	9.16665378	52724	10.83334621	65
36	9.16254155	51548	9.99536052	1114	9.16718103	52663	10.83281896	64
37	9.16305704	51486	9.99534938	1115	9.16770766	52602	10.83229233	63
38	9.16357190	51423	9.99533822	1117	9.16823368	52541	10.83176631	62
39	9.16408614	51361	9.99532704	1118	9.16875909	52480	10.83124090	61
40	9.16459976	51299	9.99531586	1119	9.16928390	52419	10.83071609	60
41	9.16511276	51237	9.99530466	1121	9.16980809	52359	10.83019190	59
42	9.16562514	51176	9.99529345	1122	9.17033169	52298	10.82966830	58
43	9.16613690	51114	9.99528222	1124	9.17085468	52238	10.82914531	57
44	9.16664805	51053	9.99527098	1125	9.17137706	52178	10.82862293	56
45	9.16715858	50992	9.99525972	1126	9.17189885	52118	10.82810114	55
46	9.16766850	50930	9.99524846	1128	9.17242004	52058	10.82757995	54
47	9.16817781	50869	9.99523718	1129	9.17294063	51999	10.82705936	53
48	9.16868651	50809	9.99522588	1130	9.17346062	51939	10.82653937	52
49	9.16919460	50748	9.99521457	1132	9.17398002	51880	10.82601997	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.16970208	50687	9.99520325	1133	9.17449882	51821	10.82550117	50
51	9.17020896	50627	9.99519192	1134	9.17501704	51762	10.82498295	49
52	9.17071523	50567	9.99518057	1136	9.17553466	51703	10.82446533	48
53	9.17122091	50507	9.99516921	1137	9.17605169	51644	10.82394830	47
54	9.17172598	50447	9.99515783	1138	9.17656814	51585	10.82343185	46
55	9.17223045	50387	9.99514644	1140	9.17708400	51527	10.82291599	45
56	9.17273432	50327	9.99513504	1141	9.17759927	51469	10.82240072	44
57	9.17323759	50267	9.99512362	1142	9.17811396	51410	10.82188603	43
58	9.17374027	50208	9.99511219	1144	9.17862807	51352	10.82137192	42
59	9.17424236	50149	9.99510075	1145	9.17914160	51294	10.82085839	41
60	9.17474385	50089	9.99508929	1147	9.17965455	51237	10.82034544	40
61	9.17524475	50030	9.99507782	1148	9.18016692	51179	10.81983307	39
62	9.17574506	49972	9.99506634	1149	9.18067871	51121	10.81932128	38
63	9.17624478	49913	9.99505484	1151	9.18118993	51064	10.81881006	37
64	9.17674391	49854	9.99504333	1152	9.18170057	51007	10.81829942	36
65	9.17724245	49796	9.99503181	1153	9.18221065	50950	10.81778935	35
66	9.17774042	49737	9.99502027	1155	9.18272015	50892	10.81727985	34
67	9.17823780	49679	9.99500872	1156	9.18322907	50836	10.81677092	33
68	9.17873459	49621	9.99499715	1157	9.18373744	50779	10.81626255	32
69	9.17923081	49563	9.99498557	1159	9.18424523	50722	10.81575476	31
70	9.17972645	49505	9.99497398	1160	9.18475246	50666	10.81524753	30
71	9.18022150	49448	9.99496238	1161	9.18525912	50610	10.81474087	29
72	9.18071598	49390	9.99495076	1163	9.18576522	50553	10.81423477	28
73	9.18120989	49333	9.99493913	1164	9.18627076	50497	10.81372923	27
74	9.18170322	49275	9.99492748	1165	9.18677574	50441	10.81322425	26
75	9.18219598	49218	9.99491582	1167	9.18728015	50385	10.81271984	25
76	9.18268817	49161	9.99490415	1168	9.18778401	50330	10.81221598	24
77	9.18317978	49104	9.99489246	1170	9.18828732	50274	10.81171267	23
78	9.18367083	49047	9.99488076	1171	9.18879006	50219	10.81120993	22
79	9.18416131	48991	9.99486904	1172	9.18929226	50164	10.81070773	21
80	9.18465122	48934	9.99485732	1174	9.18979390	50108	10.81020609	20
81	9.18514057	48878	9.99484558	1175	9.19029499	50053	10.80970500	19
82	9.18562935	48822	9.99483382	1176	9.19079552	49998	10.80920447	18
83	9.18611757	48765	9.99482205	1178	9.19129551	49944	10.80870448	17
84	9.18660523	48709	9.99481027	1179	9.19179495	49889	10.80820504	16
85	9.18709233	48654	9.99479848	1180	9.19229385	49834	10.80770614	15
86	9.18757887	48598	9.99478667	1182	9.19279220	49780	10.80720779	14
87	9.18806485	48542	9.99477485	1183	9.19329000	49726	10.80670999	13
88	9.18855028	48487	9.99476301	1184	9.19378726	49672	10.80621273	12
89	9.18903515	48431	9.99475116	1186	9.19428398	49617	10.80571601	11
90	9.18951947	48376	9.99473930	1187	9.19478016	49564	10.80521983	10
91	9.19000323	48321	9.99472742	1189	9.19527580	49510	10.80472419	9
92	9.19048644	48266	9.99471553	1190	9.19577091	49456	10.80422908	8
93	9.19096910	48211	9.99470363	1191	9.19626547	49403	10.80373452	7
94	9.19145122	48156	9.99469171	1193	9.19675950	49349	10.80324049	6
95	9.19193278	48101	9.99467978	1194	9.19725300	49296	10.80274699	5
96	9.19241380	48047	9.99466783	1195	9.19774596	49243	10.80225403	4
97	9.19289428	47992	9.99465588	1197	9.19823839	49190	10.80176160	3
98	9.19337421	47938	9.99464391	1198	9.19873029	49137	10.80126970	2
99	9.19385359	47884	9.99463192	1199	9.19922167	49084	10.80077832	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.19433244	47830	9.99461992	1201	9.19971251	49031	10.80028748	100
1	9.19481074	47776	9.99460791	1202	9.20020283	48979	10.79979716	99
2	9.19528850	47722	9.99459588	1203	9.20069262	48926	10.79930737	98
3	9.19576573	47668	9.99458385	1205	9.20118188	48874	10.79881811	97
4	9.19624242	47615	9.99457179	1206	9.20167062	48821	10.79832937	96
5	9.19671857	47561	9.99455973	1207	9.20215884	48769	10.79784115	95
6	9.19719419	47508	9.99454765	1209	9.20264654	48717	10.79735345	94
7	9.19766928	47455	9.99453555	1210	9.20313372	48665	10.79686627	93
8	9.19814383	47402	9.99452345	1212	9.20362038	48614	10.79637961	92
9	9.19861785	47349	9.99451132	1213	9.20410652	48562	10.79589347	91
10	9.19909134	47296	9.99449919	1214	9.20459215	48511	10.79540784	90
11	9.19956431	47243	9.99448704	1216	9.20507726	48459	10.79492273	89
12	9.20003674	47190	9.99447488	1217	9.20556186	48408	10.79443813	88
13	9.20050865	47138	9.99446271	1218	9.20604594	48357	10.79395405	87
14	9.20098003	47085	9.99445052	1220	9.20652951	48306	10.79347048	86
15	9.20145089	47033	9.99443832	1221	9.20701257	48255	10.79298742	85
16	9.20192123	46981	9.99442610	1222	9.20749512	48204	10.79250487	84
17	9.20239104	46929	9.99441387	1224	9.20797717	48153	10.79202283	83
18	9.20286033	46877	9.99440163	1225	9.20845870	48102	10.79154129	82
19	9.20332911	46825	9.99438937	1226	9.20893973	48052	10.79106026	81
20	9.20379736	46773	9.99437710	1228	9.20942025	48002	10.79057974	80
21	9.20426510	46722	9.99436482	1229	9.20990027	47951	10.79009972	79
22	9.20473232	46670	9.99435252	1231	9.21037979	47901	10.78962020	78
23	9.20519902	46619	9.99434021	1232	9.21085881	47851	10.78914118	77
24	9.20566521	46567	9.99432789	1233	9.21133732	47801	10.78866267	76
25	9.20613089	46516	9.99431555	1235	9.21181534	47751	10.78818465	75
26	9.20659606	46465	9.99430320	1236	9.21229285	47701	10.78770714	74
27	9.20706071	46414	9.99429083	1237	9.21276987	47652	10.78723012	73
28	9.20752486	46363	9.99427845	1239	9.21324640	47602	10.78675359	72
29	9.20798849	46312	9.99426606	1240	9.21372243	47553	10.78627756	71
30	9.20845162	46262	9.99425366	1241	9.21419796	47504	10.78580203	70
31	9.20891424	46211	9.99424124	1243	9.21467300	47454	10.78532699	69
32	9.20937636	46161	9.99422880	1244	9.21514755	47405	10.78485244	68
33	9.20983797	46110	9.99421636	1246	9.21562161	47356	10.78437838	67
34	9.21029908	46060	9.99420390	1247	9.21609518	47308	10.78390481	66
35	9.21075969	46010	9.99419142	1248	9.21656826	47259	10.78343173	65
36	9.21121979	45960	9.99417894	1250	9.21704085	47210	10.78295914	64
37	9.21167940	45910	9.99416644	1251	9.21751296	47162	10.78248703	63
38	9.21213850	45860	9.99415392	1252	9.21798458	47113	10.78201541	62
39	9.21259711	45811	9.99414139	1254	9.21845571	47065	10.78154428	61
40	9.21305522	45761	9.99412885	1255	9.21892636	47017	10.78107363	60
41	9.21351284	45712	9.99411630	1256	9.21939653	46968	10.78060346	59
42	9.21396996	45662	9.99410373	1258	9.21986622	46920	10.78013377	58
43	9.21442658	45613	9.99409115	1259	9.22033543	46872	10.77966456	57
44	9.21488272	45564	9.99407855	1260	9.22080416	46825	10.77919583	56
45	9.21533836	45515	9.99406594	1262	9.22127241	46777	10.77872758	55
46	9.21579351	45466	9.99405332	1263	9.22174019	46729	10.77825980	54
47	9.21624817	45417	9.99404068	1265	9.22220748	46682	10.77779251	53
48	9.21670234	45368	9.99402803	1266	9.22267431	46634	10.77732568	52
49	9.21715603	45319	9.99401537	1267	9.22314066	46587	10.77685934	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.21760922	45271	9.99400269	1269	9.22360653	46540	10.77639346	5°
51	9.21806194	45222	9.99399000	1270	9.22407193	46493	10.77592806	49
52	9.21851416	45174	9.99397729	1271	9.22453687	46446	10.77546312	48
53	9.21896591	45126	9.99396457	1273	9.22500133	46399	10.77499866	47
54	9.21941717	45077	9.99395184	1274	9.22546532	46352	10.77453467	46
55	9.21986795	45029	9.99393910	1275	9.22592885	46305	10.77407114	45
56	9.22031825	44981	9.99392634	1277	9.22639191	46259	10.77360808	44
57	9.22076807	44934	9.99391356	1278	9.22685450	46212	10.77314549	43
58	9.22121741	44886	9.99390078	1279	9.22731663	46166	10.77268336	42
59	9.22166627	44838	9.99388798	1281	9.22777829	46120	10.77222170	41
60	9.22211466	44791	9.99387516	1282	9.22823949	46073	10.77176050	40
61	9.22256257	44743	9.99386234	1284	9.22870023	46027	10.77129976	39
62	9.22301001	44696	9.99384950	1285	9.22916051	45981	10.77083948	38
63	9.22345697	44648	9.99383664	1286	9.22962032	45935	10.77037967	37
64	9.22390346	44601	9.99382377	1288	9.23007968	45889	10.76992031	36
65	9.22434948	44554	9.99381089	1289	9.23053858	45844	10.76946141	35
66	9.22479503	44507	9.99379800	1290	9.23099702	45798	10.76900297	34
67	9.22524010	44060	9.99378509	1292	9.23145501	45753	10.76854498	33
68	9.22568471	44414	9.99377217	1293	9.23191254	45707	10.76808745	32
69	9.22612885	44367	9.99375923	1294	9.23236962	45662	10.76763037	31
70	9.22657253	44320	9.99374628	1296	9.23282624	45617	10.76717375	30
71	9.22701573	44274	9.99373332	1297	9.23328241	45571	10.76671758	29
72	9.22745848	44227	9.99372034	1299	9.23373813	45526	10.76626186	28
73	9.22790076	44181	9.99370735	1300	9.23419340	45481	10.76580659	27
74	9.22834257	44135	9.99369435	1301	9.23464822	45437	10.76535177	26
75	9.22878392	44089	9.99368133	1303	9.23510259	45392	10.76489740	25
76	9.22922482	44043	9.99366830	1304	9.23555651	45347	10.76444348	24
77	9.22966525	43997	9.99365525	1305	9.23600999	45303	10.76399000	23
78	9.23010522	43951	9.99364219	1307	9.23646302	45258	10.76353697	22
79	9.23054473	43905	9.99362912	1308	9.23691561	45214	10.76308438	21
80	9.23098379	43859	9.99361603	1309	9.23736775	45169	10.76263224	20
81	9.23142239	43814	9.99360293	1311	9.23781945	45125	10.76218054	19
82	9.23186053	43768	9.99358982	1312	9.23827071	45081	10.76172928	18
83	9.23229822	43723	9.99357669	1314	9.23872152	45037	10.76127847	17
84	9.23273546	43678	9.99356355	1315	9.23917190	44993	10.76082809	16
85	9.23317224	43633	9.99355040	1316	9.23962183	44949	10.76037816	15
86	9.23360857	43587	9.99353723	1318	9.24007133	44906	10.75992866	14
87	9.23404445	43542	9.99352405	1319	9.24052039	44862	10.75947960	13
88	9.23447988	43497	9.99351086	1320	9.24096901	44818	10.75903098	12
89	9.23491485	43453	9.99349765	1322	9.24141720	44775	10.75858279	11
90	9.23534939	43408	9.99348443	1323	9.24186495	44731	10.75813504	10
91	9.23578347	43363	9.99347119	1324	9.24231227	44688	10.75768772	9
92	9.23621711	43319	9.99345794	1326	9.24275916	44645	10.75724083	8
93	9.23665030	43274	9.99344468	1327	9.24320561	44602	10.75679438	7
94	9.23708304	43230	9.99343140	1329	9.24365164	44559	10.75634835	6
95	9.23751534	43185	9.99341811	1330	9.24409723	44516	10.75590276	5
96	9.23794720	43141	9.99340481	1331	9.24454239	44473	10.75545760	4
97	9.23837862	43097	9.99339149	1333	9.24498713	44430	10.75501286	3
98	9.23880959	43053	9.99337816	1334	9.24543143	44387	10.75456856	2
99	9.23924013	43009	9.99336481	1335	9.24587531	44345	10.75412468	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.23967023	42965	9.99335145	1337	9.24631877	44302	10.75368122	100
1	9.24009988	42921	9.99333808	1338	9.24676179	44260	10.75323820	99
2	9.24052910	42878	9.99332470	1339	9.24720440	44218	10.75279559	98
3	9.24095788	42834	9.99331130	1341	9.24764658	44175	10.75235341	97
4	9.24138623	42791	9.99329788	1342	9.24808834	44133	10.75191165	96
5	9.24181414	42747	9.99328446	1344	9.24852968	44091	10.75147031	95
6	9.24224161	42704	9.99327102	1345	9.24897059	44049	10.75102940	94
7	9.24266866	42660	9.99325756	1346	9.24941109	44007	10.75058890	93
8	9.24309526	42617	9.99324409	1348	9.24985117	43965	10.75014882	92
9	9.24352144	42574	9.99323061	1349	9.25029082	43924	10.74970917	91
10	9.24394719	42531	9.99321712	1350	9.25073007	43882	10.74926992	90
11	9.24437251	42488	9.99320361	1352	9.25116889	43840	10.74883110	89
12	9.24479739	42445	9.99319009	1353	9.25160730	43799	10.74839269	88
13	9.24522185	42403	9.99317655	1354	9.25204530	43758	10.74795470	87
14	9.24564588	42360	9.99316300	1356	9.25248288	43716	10.74751711	86
15	9.24606949	42317	9.99314944	1357	9.25292004	43675	10.74707995	85
16	9.24649266	42275	9.99313586	1359	9.25335680	43634	10.74664319	84
17	9.24691542	42232	9.99312227	1360	9.25379314	43593	10.74620685	83
18	9.24733775	42190	9.99310867	1361	9.25422907	43552	10.74577092	82
19	9.24775965	42148	9.99309505	1363	9.25466460	43511	10.74533539	81
20	9.24818113	42106	9.99308142	1364	9.25509971	43470	10.74490028	80
21	9.24860219	42063	9.99306777	1365	9.25553442	43429	10.74446557	79
22	9.24902283	42021	9.99305411	1367	9.25596872	43389	10.74403127	78
23	9.24944305	41979	9.99304044	1368	9.25640261	43348	10.74359738	77
24	9.24986285	41938	9.99302676	1369	9.25683609	43308	10.74316390	76
25	9.25028223	41896	9.99301306	1371	9.25726917	43267	10.74273082	75
26	9.25070120	41854	9.99299934	1372	9.25770185	43227	10.74229814	74
27	9.25111974	41813	9.99298561	1374	9.25813412	43187	10.74186587	73
28	9.25153787	41771	9.99297187	1375	9.25856600	43146	10.74143399	72
29	9.25195559	41730	9.99295812	1376	9.25899747	43106	10.74100252	71
30	9.25237289	41688	9.99294435	1378	9.25942853	43066	10.74057146	70
31	9.25278978	41647	9.99293057	1379	9.25985920	43026	10.74014079	69
32	9.25320625	41606	9.99291677	1380	9.26028947	42987	10.73971052	68
33	9.25362231	41564	9.99290296	1382	9.26071934	42947	10.73928065	67
34	9.25403796	41523	9.99288914	1383	9.26114881	42907	10.73885118	66
35	9.25445320	41482	9.99287531	1385	9.26157789	42867	10.73842210	65
36	9.25486803	41442	9.99286146	1386	9.26200657	42828	10.73799342	64
37	9.25528245	41401	9.99284759	1387	9.26243485	42788	10.73756514	63
38	9.25569646	41360	9.99283371	1389	9.26286274	42749	10.73713725	62
39	9.25611007	41319	9.99281982	1390	9.26329024	42710	10.73670975	61
40	9.25652326	41279	9.99280592	1391	9.26371734	42671	10.73628265	60
41	9.25693606	41238	9.99279200	1393	9.26414405	42631	10.73585594	59
42	9.25734844	41198	9.99277807	1394	9.26457037	42592	10.73542962	58
43	9.25776042	41157	9.99276412	1395	9.26499630	42553	10.73500369	57
44	9.25817200	41117	9.99275016	1397	9.26542184	42514	10.73457816	56
45	9.25858318	41077	9.99273619	1398	9.26584698	42476	10.73415301	55
46	9.25899395	41037	9.99272220	1400	9.26627174	42437	10.73372825	54
47	9.25940432	40997	9.99270820	1401	9.26669612	42398	10.73330387	53
48	9.25981429	40957	9.99269419	1402	9.26712010	42359	10.73287989	52
49	9.26022387	40917	9.99268016	1404	9.26754370	42321	10.73245629	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.26063304	40877	9.99266612	1405	9.26796692	42282	10.73203307	50
51	9.26104181	40837	9.99265206	1406	9.26838975	42244	10.73161024	49
52	9.26145019	40797	9.99263799	1408	9.26881219	42206	10.73118780	48
53	9.26185817	40758	9.99262391	1409	9.26923425	42167	10.73076574	47
54	9.26226575	40718	9.99260981	1411	9.26965593	42129	10.73034406	46
55	9.26267294	40679	9.99259570	1412	9.27007723	42091	10.72992276	45
56	9.26307973	40639	9.99258158	1413	9.27049815	42053	10.72950184	44
57	9.26348613	40600	9.99256744	1415	9.27091869	42015	10.72908131	43
58	9.26389214	40561	9.99255329	1416	9.27133884	41977	10.72866115	42
59	9.26429775	46522	9.99253913	1417	9.27175862	41940	10.72824137	41
60	9.26470298	40483	9.99152495	1419	9.27217802	41902	10.72782197	40
61	9.26510781	40444	9.99251076	1420	9.27259705	41864	10.72740294	39
62	9.26551225	40405	9.99249655	1421	9.27301569	41827	10.72698430	38
63	9.26591630	40366	9.99248233	1423	9.27343396	41789	10.72656603	37
64	9.26631996	40327	9.99246810	1424	9.27385186	41752	10.72614813	36
65	9.26672324	40288	9.99245385	1426	9.27426938	41714	10.72573061	35
66	9.26712612	40250	9.99243959	1427	9.27468653	41677	10.72531346	34
67	9.26752863	40211	9.99242532	1428	9.27510330	41640	10.72489669	33
68	9.26793074	40172	9.99241103	1430	9.27551971	41603	10.72448028	32
69	9.26833247	40134	9.99239673	1431	9.27593574	41566	10.72406425	31
70	9.26873382	40096	9.99238241	1432	9.27635140	41529	10.72364859	30
71	9.26913478	40057	9.99236808	1434	9.27676669	41492	10.72323330	29
72	9.26953536	40019	9.99235374	1435	9.27718161	41455	10.72281838	28
73	9.26993555	39981	9.99233938	1437	9.27759616	41418	10.72240383	27
74	9.27033537	39943	9.99232501	1438	9.27801035	41381	10.72198964	26
75	9.27073480	39905	9.99231063	1439	9.27842417	41345	10.72157582	25
76	9.27113385	39867	9.99229623	1441	9.27883762	41308	10.72116237	24
77	9.27153253	39829	9.99228182	1442	9.27925070	41271	10.72074929	23
78	9.27193082	39791	9.99226739	1443	9.27966342	41235	10.72033657	22
79	9.27232874	39753	9.99225295	1445	9.28007578	41199	10.71992421	21
80	9.27272628	39716	9.99223850	1446	9.28048777	41162	10.71951222	20
81	9.27312344	39678	9.99222404	1447	9.28089940	41126	10.71910059	19
82	9.27352023	39641	9.99220956	1449	9.28131066	41090	10.71868933	18
83	9.27391664	39603	9.99219506	1450	9.28172157	41054	10.71827842	17
84	9.27431267	39566	9.99218056	1452	9.28213211	41018	10.71786788	16
85	9.27470833	39528	9.99216603	1453	9.28254230	40982	10.71745769	15
86	9.27510362	39491	9.99215150	1454	9.28295212	40946	10.71704787	14
87	9.27549854	39454	9.99213695	1456	9.28336158	40910	10.71663841	13
88	9.27589308	39417	9.99212239	1457	9.28377069	40874	10.71622930	12
89	9.27628726	39380	9.99210781	1458	9.28417944	40839	10.71582055	11
90	9.27668106	39343	9.99209322	1460	9.28458783	40803	10.71541216	10
91	9.27707449	39306	9.99207862	1461	9.28499587	40768	10.71500412	9
92	9.27746755	39269	9.99206400	1463	9.28540355	40732	10.71459644	8
93	9.27786025	39232	9.99204937	1464	9.28581087	40697	10.71418912	7
94	9.27825257	39195	9.99203473	1465	9.28621784	40661	10.71378215	6
95	9.27864453	39159	9.99202007	1467	9.28662446	40626	10.71337553	5
96	9.27903612	39122	9.99200540	1468	9.28703072	40591	10.71296927	4
97	9.27942735	39086	9.99199071	1469	9.28743663	40556	10.71256336	3
98	9.27981821	39049	9.99197601	1471	9.28784219	40520	10.71215780	2
99	9.28020871	39013	9.99196130	1472	9.28824740	40485	10.71175259	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.28059884	38976	9.99194657	1474	9.28865226	40450	10.71134733	100
1	9.28098861	38940	9.99193183	1475	9.28905677	40416	10.71094322	99
2	9.28137801	38904	9.99191708	1476	9.28946093	40381	10.71053906	98
3	9.28176706	38868	9.99190231	1478	9.28986475	40346	10.71013524	97
4	9.28215574	38832	9.99188753	1479	9.29026821	40311	10.70973178	96
5	9.28254406	38796	9.99187273	1480	9.29067133	40277	10.70932866	95
6	9.28293203	38760	9.99185792	1482	9.29107410	40242	10.70892589	94
7	9.28331963	38724	9.99184310	1483	9.29147652	40208	10.70852347	93
8	9.28370687	38688	9.99182826	1485	9.29187860	40173	10.70812139	92
9	9.28409376	38652	9.99181341	1486	9.29228034	40139	10.70771965	91
10	9.28448028	38617	9.99179855	1487	9.29268173	40104	10.70731826	90
11	9.28486645	38581	9.99178367	1489	9.29308278	40070	10.70691721	89
12	9.28525227	38545	9.99176878	1490	9.29348349	40036	10.70651650	88
13	9.28563773	38510	9.99175387	1491	9.29388385	40002	10.70611614	87
14	9.28602283	38474	9.99173895	1493	9.29428387	39968	10.70571612	86
15	9.28640758	38439	9.99172402	1494	9.29468356	39934	10.70531643	85
16	9.28679198	38404	9.99170907	1496	9.29508290	39900	10.70491709	84
17	9.28717602	38368	9.99169411	1497	9.29548190	39866	10.70451809	83
18	9.28755971	38333	9.99167914	1498	9.29588057	39832	10.70411942	82
19	9.28794305	38298	9.99166415	1500	9.29627889	39798	10.70372110	81
20	9.28832603	38263	9.99164915	1501	9.29667688	39765	10.70332311	80
21	9.28870867	38228	9.99163413	1502	9.29707453	39731	10.70292546	79
22	9.28909096	38193	9.99161910	1504	9.29747185	39697	10.70252814	78
23	9.28947289	38158	9.99160406	1505	9.29786883	39664	10.70213116	77
24	9.28985448	38123	9.99158900	1507	9.29826547	39631	10.70173452	76
25	9.29023572	38089	9.99157393	1508	9.29866178	39597	10.70133821	75
26	9.29061661	38054	9.99155885	1509	9.29905776	39564	10.70094223	74
27	9.29099716	38019	9.99154375	1511	9.29945340	39531	10.70054659	73
28	9.29137736	37985	9.99152864	1512	9.29984871	39497	10.70015128	72
29	9.29175721	37950	9.99151352	1513	9.30024369	39464	10.69975630	71
30	9.29213672	37916	9.99149838	1515	9.30063834	39431	10.69936165	70
31	9.29251588	37881	9.99148322	1516	9.30103265	39398	10.69896734	69
32	9.29289470	37847	9.99146806	1518	9.30142664	39365	10.69857335	68
33	9.29327318	37813	9.99145288	1519	9.30182029	39332	10.69817970	67
34	9.29365131	37779	9.99143768	1520	9.30221362	39299	10.69778637	66
35	9.29402910	37744	9.99142247	1522	9.30260662	39267	10.69739337	65
36	9.29440655	37710	9.99140725	1523	9.30299929	39234	10.69700070	64
37	9.29478366	37676	9.99139202	1524	9.30339164	39201	10.69660835	63
38	9.29516043	37642	9.99137677	1526	9.30378365	39169	10.69621634	62
39	9.29553685	37608	9.99136150	1527	9.30417534	39136	10.69582465	61
40	9.29591294	37575	9.99134623	1529	9.30456671	39104	10.69543328	60
41	9.29628869	37541	9.99133094	1530	9.30495775	39071	10.69504224	59
42	9.29666411	37507	9.99131563	1531	9.30534847	39039	10.69465152	58
43	9.29703918	37473	9.99130031	1533	9.30573886	39006	10.69426113	57
44	9.29741392	37440	9.99128498	1534	9.30612893	38974	10.69387106	56
45	9.29778832	37406	9.99126964	1535	9.30651868	38942	10.69348131	55
46	9.29816239	37373	9.99125428	1537	9.30690810	38910	10.69309189	54
47	9.29853612	37339	9.99123890	1538	9.30729721	38878	10.69270278	53
48	9.29890951	37306	9.99122352	1540	9.30768599	38846	10.69231400	52
49	9.29928258	37272	9.99120812	1541	9.30807445	38814	10.69192554	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.29965530	37239	9.99119270	1542	9.30846260	38782	10.69153739	50
51	9.30002770	37205	9.99117727	1544	9.30885042	38750	10.69114957	49
52	9.30039976	37173	9.99116183	1545	9.30923793	38718	10.69076206	48
53	9.30077150	37140	9.99114638	1546	9.30962512	38687	10.69037487	47
54	9.30114290	37107	9.99113091	1548	9.31001199	38655	10.68998800	46
55	9.30151397	37074	9.99111542	1549	9.31039854	38623	10.68960145	45
56	9.30188471	37041	9.99109993	1551	9.31078478	38592	10.68921521	44
57	9.30225512	37008	9.99108441	1552	9.31117070	38560	10.68882929	43
58	9.30262520	36975	9.99106889	1553	9.31155631	38529	10.68844368	42
59	9.30299496	36942	9.99105335	1555	9.31194160	38497	10.68805839	41
60	9.30336438	36909	9.99103780	1556	9.31232658	38466	10.68767341	40
61	9.30373348	36877	9.99102223	1557	9.31271124	38435	10.68728875	39
62	9.30410225	36844	9.99100665	1559	9.31309560	38403	10.68690439	38
63	9.30447070	36812	9.99099106	1560	9.31347964	38372	10.68652035	37
64	9.30483882	36779	9.99097545	1562	9.31386336	38341	10.68613663	36
65	9.30520662	36747	9.99095983	1563	9.31424678	38310	10.68575321	35
66	9.30557409	36714	9.99094419	1564	9.31462989	38279	10.68537010	34
67	9.30594123	36682	9.99092855	1566	9.31501268	38248	10.68498731	33
68	9.30630806	36650	9.99091288	1567	9.31539517	38217	10.68460482	32
69	9.30667456	36617	9.99089721	1569	9.31577735	38186	10.68422264	31
70	9.30704074	36585	9.99088152	1570	9.31615922	38156	10.68384077	30
71	9.30740660	36553	9.99086581	1571	9.31654078	38125	10.68345921	29
72	9.30777213	36521	9.99085009	1573	9.31692203	38094	10.68307796	28
73	9.30813735	36489	9.99083436	1574	9.31730298	38064	10.68269701	27
74	9.30850224	36457	9.99081862	1575	9.31768362	38033	10.68231637	26
75	9.30886682	36425	9.99080286	1577	9.31806395	38002	10.68193604	25
76	9.30923107	36393	9.99078709	1578	9.31844398	37972	10.68155601	24
77	9.30959501	36362	9.99077130	1580	9.31882371	37942	10.68117628	23
78	9.30995863	36330	9.99075550	1581	9.31920313	37911	10.68079686	22
79	9.31032194	36298	9.99073968	1582	9.31958225	37881	10.68041774	21
80	9.31068492	36266	9.99072386	1584	9.31996106	37851	10.68003893	20
81	9.31104759	36235	9.99070801	1585	9.32033957	37820	10.67966042	19
82	9.31140995	36203	9.99069216	1586	9.32071778	37790	10.67928221	18
83	9.31177198	36172	9.99067629	1588	9.32109569	37760	10.67890430	17
84	9.31213371	36140	9.99066040	1589	9.32147330	37730	10.67852669	16
85	9.31249512	36109	9.99064451	1591	9.32185061	37700	10.67814938	15
86	9.31285621	36078	9.99062860	1592	9.32222761	37670	10.67777238	14
87	9.31321700	36047	9.99061267	1593	9.32260432	37640	10.67739567	13
88	9.31357747	36015	9.99059673	1595	9.32298073	37611	10.67701926	12
89	9.31393762	35984	9.99058078	1596	9.32335684	37581	10.67664315	11
90	9.31429747	35953	9.99056481	1598	9.32373265	37551	10.67626734	10
91	9.31465701	35922	9.99054883	1599	9.32410817	37521	10.67589182	9
92	9.31501623	35891	9.99053284	1600	9.32448339	37492	10.67551660	8
93	9.31537514	35860	9.99051683	1602	9.32485831	37462	10.67514168	7
94	9.31573375	35829	9.99050081	1603	9.32523294	37433	10.67476705	6
95	9.31609205	35798	9.99048477	1604	9.32560727	37403	10.67439272	5
96	9.31645003	35767	9.99046872	1606	9.32598130	37374	10.67401869	4
97	9.31680771	35737	9.99045266	1607	9.32635505	37344	10.67364494	3
98	9.31716508	35706	9.99043658	1609	9.32672849	37315	10.67327150	2
99	9.31752215	35675	9.99042049	1610	9.32710165	37286	10.67289834	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.31787891	35645	9.99040439	1611	9.32747451	37257	10.67252548	100
1	9.31823536	35614	9.99038827	1613	9.32784708	37227	10.67215291	99
2	9.31859150	35584	9.99037214	1614	9.32821936	37198	10.67178063	98
3	9.31894734	35553	9.99035599	1615	9.32859135	37169	10.67140864	97
4	9.31930288	35523	9.99033983	1617	9.32896304	37140	10.67103695	96
5	9.31965811	35492	9.99032366	1618	9.32933445	37111	10.67066554	95
6	9.32001304	35462	9.99030747	1620	9.32970557	37082	10.67029442	94
7	9.32036767	35432	9.99029127	1621	9.33007639	37053	10.66992360	93
8	9.32072199	35402	9.99027505	1622	9.33044693	37025	10.66955306	92
9	9.32107601	35371	9.99025883	1624	9.33081718	36996	10.66918281	91
10	9.32142973	35341	9.99024258	1625	9.33118715	36967	10.66881284	90
11	9.32178315	35311	9.99022633	1627	9.33155682	36938	10.66844317	89
12	9.32213627	35281	9.99021006	1628	9.33192621	36910	10.66807378	88
13	9.32248909	35251	9.99019377	1629	9.33229531	36881	10.66770468	87
14	9.32284161	35221	9.99017747	1631	9.33266413	36853	10.66733586	86
15	9.32319383	35192	9.99016116	1632	9.33303266	36824	10.66696733	85
16	9.32354575	35162	9.99014483	1633	9.33340091	36796	10.66659908	84
17	9.32389737	35132	9.99012849	1635	9.33376887	36767	10.66623112	83
18	9.32424870	35102	9.99011214	1636	9.33413655	36739	10.66586344	82
19	9.32459972	35073	9.99009577	1638	9.33450395	36711	10.66549605	81
20	9.32495045	35043	9.99007939	1639	9.33487106	36682	10.66512893	80
21	9.32530089	35013	9.99006300	1640	9.33523789	36654	10.66476210	79
22	9.32565103	34984	9.99004659	1642	9.33560444	36626	10.66439555	78
23	9.32600087	34954	9.99003016	1643	9.33597070	36598	10.66402929	77
24	9.32635042	34925	9.99001373	1645	9.33633669	36570	10.66366330	76
25	9.32669968	34896	9.98999728	1646	9.33670239	36542	10.66329760	75
26	9.32704864	34866	9.98998081	1647	9.33706782	36514	10.66293217	74
27	9.32739730	34837	9.98996433	1649	9.33743296	36486	10.66256703	73
28	9.32774568	34808	9.98994784	1650	9.33779783	36458	10.66220216	72
29	9.32809376	34778	9.98993134	1651	9.33816242	36430	10.66183757	71
30	9.32844155	34749	9.98991482	1653	9.33852673	36403	10.66147326	70
31	9.32878905	34720	9.98989828	1654	9.33889076	36375	10.66110923	69
32	9.32913626	34691	9.98988174	1656	9.33925452	36347	10.66074547	68
33	9.32948317	34662	9.98986517	1657	9.33961799	36320	10.66038200	67
34	9.32982980	34633	9.98984860	1658	9.33998120	36292	10.66001879	66
35	9.33017614	34604	9.98983201	1660	9.34034412	36265	10.65965587	65
36	9.33052218	34575	9.98981541	1661	9.34070677	36237	10.65929322	64
37	9.33086794	34547	9.98979879	1663	9.34106915	36210	10.65893084	63
38	9.33121341	34518	9.98978216	1664	9.34143125	36182	10.65856874	62
39	9.33155860	34489	9.98976551	1665	9.34179308	36155	10.65820691	61
40	9.33190349	34460	9.98974886	1667	9.34215463	36128	10.65784536	60
41	9.33224810	34432	9.98973218	1668	9.34251591	36100	10.65748408	59
42	9.33259242	34403	9.98971550	1670	9.34287692	36073	10.65712307	58
43	9.33293646	34375	9.98969880	1671	9.34323766	36046	10.65676233	57
44	9.33328021	34346	9.98968208	1672	9.34359812	36019	10.65640187	56
45	9.33362368	34318	9.98966536	1674	9.34395832	35992	10.65604167	55
46	9.33396686	34289	9.98964861	1675	9.34431824	35965	10.65568175	54
47	9.33430976	34261	9.98963186	1676	9.34467789	35938	10.65532210	53
48	9.33465237	34232	9.98961509	1678	9.34503728	35911	10.65496272	52
49	9.33499470	34204	9.98959831	1679	9.34539639	35884	10.65460360	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9·33533675	34176	9·98958151	1681	9·34575523	35857	10.65424476	50
51	9·33567851	34148	9·98956470	1682	9·34611381	35830	10.65388618	49
52	9·33601999	34120	9·98954787	1683	9·34647212	35804	10.65352787	48
53	9·33636119	34092	9·98953103	1685	9·34683016	35777	10.65316983	47
54	9·33670211	34063	9·98951418	1686	9·34718793	35750	10.65281206	46
55	9·33704275	34035	9·98949731	1688	9·34754543	35723	10.65245456	45
56	9·33738311	34007	9·98948043	1689	9·34790267	35697	10.65209732	44
57	9·33772319	33980	9·98946354	1690	9·34825965	35670	10.65174034	43
58	9·33806299	33952	9·98944663	1692	9·34861636	35644	10.65138363	42
59	9·33840251	33924	9·98942971	1693	9·34897280	35617	10.65102719	41
60	9·33874176	33896	9·98941277	1694	9·34932898	35591	10.65067101	40
61	9·33908072	33868	9·98939582	1696	9·34968489	35565	10.65031510	39
62	9·33941941	33841	9·98937886	1697	9·35004055	35538	10.64995944	38
63	9·33975782	33813	9·98936188	1699	9·35039593	35512	10.64960406	37
64	9·34009595	33785	9·98934489	1700	9·35075106	35486	10.64924893	36
65	9·34043381	33758	9·98932788	1701	9·35110592	35460	10.64889407	35
66	9·34077139	33730	9·98931086	1703	9·35146052	35433	10.64853947	34
67	9·34110870	33703	9·98929383	1704	9·35181486	35407	10.64818513	33
68	9·34144573	33675	9·98927678	1706	9·35216894	35381	10.64783105	32
69	9·34178248	33648	9·98925972	1707	9·35252276	35355	10.64747723	31
70	9·34211897	33620	9·98924265	1708	9·35287631	35329	10.64712368	30
71	9·34245518	33593	9·98922556	1710	9·35322961	35303	10.64677038	29
72	9·34279111	33566	9·98920846	1711	9·35358265	35277	10.64641734	28
73	9·34312677	33538	9·98919134	1713	9·35393543	35252	10.64606456	27
74	9·34346216	33511	9·98917421	1714	9·35428795	35226	10.64571204	26
75	9·34379728	33484	9·98915706	1715	9·35464021	35200	10.64535978	25
76	9·34413213	33457	9·98913991	1717	9·35499222	35174	10.64500777	24
77	9·34446670	33430	9·98912273	1718	9·35534396	35149	10.64465603	23
78	9·34480101	33403	9·98910555	1720	9·35569545	35123	10.64430454	22
79	9·34513504	33376	9·98908835	1721	9·35604669	35097	10.64395330	21
80	9·34546880	33349	9·98907113	1722	9·35639767	35072	10.64360232	20
81	9·34580230	33322	9·98905390	1724	9·35674839	35046	10.64325160	19
82	9·34613552	33295	9·98903666	1725	9·35709886	35021	10.64290113	18
83	9·34646848	33268	9·98901941	1726	9·35744907	34995	10.64255092	17
84	9·34680117	33242	9·98900214	1728	9·35779903	34970	10.64220096	16
85	9·34713359	33215	9·98898485	1729	9·35814873	34945	10.64185126	15
86	9·34746574	33188	9·98896756	1731	9·35849818	34919	10.64150181	14
87	9·34779763	33161	9·98895024	1732	9·35884738	34894	10.64115261	13
88	9·34812925	33135	9·98893292	1733	9·35919632	34869	10.64080367	12
89	9·34846060	33108	9·98891558	1735	9·35954502	34844	10.64045497	11
90	9·34879169	33082	9·98889823	1736	9·35989346	34818	10.64010653	10
91	9·34912251	33055	9·98888086	1738	9·36024165	34793	10.63975834	9
92	9·34945307	33029	9·98886348	1739	9·36058958	34768	10.63941041	8
93	9·34978336	33002	9·98884608	1740	9·36093727	34743	10.63506272	7
94	9·35011339	32976	9·98882867	1742	9·36128471	34718	10.63871528	6
95	9·35044315	32950	9·98881125	1743	9·36163189	34693	10.63836810	5
96	9·35077265	32923	9·98879381	1745	9·36197883	34668	10.63802116	4
97	9·35110189	32897	9·98877636	1746	9·36232552	34643	10.63767447	3
98	9·35143086	32871	9·98875890	1747	9·36267196	34619	10.63732803	2
99	9·35175958	32845	9·98874142	1749	9·36301815	34594	10.63698184	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9·35208803	32818	9·98872393	1750	9·36336410	34569	10.63663589	100
1	9·35241622	32792	9·98870642	1752	9·36370979	34544	10.63629020	99
2	9·35274415	32766	9·98868890	1753	9·36405524	34520	10.63594475	98
3	9·35307181	32740	9·98867137	1754	9·36440044	34495	10.63559955	97
4	9·35339922	32714	9·98865382	1756	9·36474540	34470	10.63525459	96
5	9·35372637	32688	9·98863626	1757	9·36509011	34446	10.63490988	95
6	9·35405326	32662	9·98861868	1759	9·36543457	34421	10.63456542	94
7	9·35437989	32637	9·98860109	1760	9·36577879	34397	10.63422120	93
8	9·35470626	32611	9·98858349	1761	9·36612277	34373	10.63387722	92
9	9·35503237	32585	9·98856587	1763	9·36646650	34348	10.63353349	91
10	9·35535822	32559	9·98854824	1764	9·36680998	34324	10.63319001	90
11	9·35568382	32533	9·98853059	1765	9·36715323	34299	10.63284676	89
12	9·35600916	32508	9·98851293	1767	9·36749622	34275	10.63250377	88
13	9·35633424	32482	9·98849526	1768	9·36783898	34251	10.63216101	87
14	9·35665907	32457	9·98847757	1770	9·36818150	34227	10.63181849	86
15	9·35698364	32431	9·98845987	1771	9·36852377	34203	10.63147622	85
16	9·35730795	32405	9·98844215	1772	9·36886580	34178	10.63113419	84
17	9·35763201	32380	9·98842442	1774	9·36920759	34154	10.63079240	83
18	9·35795582	32355	9·98840668	1775	9·36954914	34130	10.63045085	82
19	9·35827937	32329	9·98838892	1777	9·36989044	34106	10.63010955	81
20	9·35860267	32304	9·98837115	1778	9·37023151	34082	10.62976848	80
21	9·35892571	32278	9·98835336	1779	9·37057234	34058	10.62942765	79
22	9·35924850	32253	9·98833556	1781	9·37091293	34034	10.62908706	78
23	9·35957103	32228	9·98831775	1782	9·37125328	34011	10.62874671	77
24	9·35989332	32203	9·98829992	1784	9·37159339	33987	10.62840660	76
25	9·36021535	32177	9·98828208	1785	9·37193326	33963	10.62806673	75
26	9·36053713	32152	9·98826423	1786	9·37227290	33939	10.62772709	74
27	9·36085866	32127	9·98824636	1788	9·37261229	33916	10.62738770	73
28	9·36117993	32102	9·98822848	1789	9·37295145	33892	10.62704854	72
29	9·36150096	32077	9·98821058	1791	9·37329038	33868	10.62670961	71
30	9·36182174	32052	9·98819267	1792	9·37362906	33845	10.62637093	70
31	9·36214226	32027	9·98817474	1793	9·37396752	33821	10.62603247	69
32	9·36246254	32002	9·98815680	1795	9·37430573	33798	10.62569426	68
33	9·36278257	31977	9·98813885	1796	9·37464371	33774	10.62535628	67
34	9·36310234	31952	9·98812088	1798	9·37498146	33751	10.62501853	66
35	9·36342187	31928	9·98810290	1799	9·37531897	33727	10.62468102	65
36	9·36374116	31903	9·98808491	1800	9·37565624	33704	10.62434375	64
37	9·36406019	31878	9·98806690	1802	9·37599329	33680	10.62400670	63
38	9·36437898	31853	9·98804888	1803	9·37633010	33657	10.62366989	62
39	9·36469752	31829	9·98803084	1805	9·37666667	33634	10.62333332	61
40	9·36501581	31804	9·98801279	1806	9·37700302	33611	10.62299697	60
41	9·36533386	31780	9·98799472	1807	9·37733913	33587	10.62266086	59
42	9·36565166	31755	9·98797664	1809	9·37767501	33564	10.62232498	58
43	9·36596921	31730	9·98795855	1810	9·37801065	33541	10.62198934	57
44	9·36628652	31706	9·98794044	1812	9·37834607	33518	10.62165392	56
45	9·36660359	31682	9·98792232	1813	9·37868126	33495	10.62131873	55
46	9·36692041	31657	9·98790419	1814	9·37901621	33472	10.62098378	54
47	9·36723698	31633	9·98788604	1816	9·37935094	33449	10.62064905	53
48	9·36755331	31608	9·98786788	1817	9·37968543	33426	10.62031456	52
49	9·36786940	31584	9·98784970	1819	9·38001970	33403	10.61998029	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.36818525	31560	9.98783151	1820	9.38035373	33380	10.61964626	50
51	9.36850085	31536	9.98781331	1821	9.38068754	33357	10.61931245	49
52	9.36881621	31511	9.98779509	1823	9.38102112	33335	10.61897887	48
53	9.36913133	31487	9.98777685	1824	9.38135447	33312	10.61864552	47
54	9.36944621	31463	9.98775861	1826	9.38168759	33289	10.61831240	46
55	9.36976084	31439	9.98774035	1827	9.38202049	33266	10.61797950	45
56	9.37007524	31415	9.98772207	1828	9.38235316	33244	10.61764683	44
57	9.37038939	31391	9.98770378	1830	9.38268560	33221	10.61731439	43
58	9.37070330	31367	9.98768548	1831	9.38301782	33199	10.61698217	42
59	9.37101698	31343	9.98766717	1833	9.38334981	33176	10.61665018	41
60	9.37133041	31319	9.98764883	1834	9.38368157	33153	10.61631842	40
61	9.37164361	31295	9.98763049	1835	9.38401311	33131	10.61598688	39
62	9.37195656	31271	9.98761213	1837	9.38434443	33108	10.61565556	38
63	9.37226928	31247	9.98759376	1838	9.38467552	33086	10.61532447	37
64	9.37258176	31224	9.98757537	1840	9.38500638	33064	10.61499361	36
65	9.37289400	31200	9.98755697	1841	9.38533702	33041	10.61466297	35
66	9.37320600	31176	9.98753856	1842	9.38566744	33019	10.61433255	34
67	9.37351777	31152	9.98752013	1844	9.38599764	32997	10.61400235	33
68	9.37382930	31129	9.98750169	1845	9.38632761	32974	10.61367238	32
69	9.37414059	31105	9.98748323	1847	9.38665736	32952	10.61334263	31
70	9.37445165	31082	9.98746476	1848	9.38698689	32930	10.61301310	30
71	9.37476247	31058	9.98744627	1849	9.38731619	32908	10.61268380	29
72	9.37507305	31035	9.98742777	1851	9.38764527	32886	10.61235472	28
73	9.37538340	31011	9.98740926	1852	9.38797414	32864	10.61202585	27
74	9.37569352	30988	9.98739073	1854	9.38830278	32842	10.61169721	26
75	9.37600340	30964	9.98737219	1855	9.38863120	32820	10.61136879	25
76	9.37631305	30941	9.98735364	1856	9.38895940	32798	10.61104059	24
77	9.37662246	30917	9.98733507	1858	9.38928738	32776	10.61071261	23
78	9.37693164	30894	9.98731649	1859	9.38961515	32754	10.61038484	22
79	9.37724059	30871	9.98729789	1861	9.38994269	32732	10.61005730	21
80	9.37754930	30848	9.98727928	1862	9.39027001	32710	10.60972998	20
81	9.37785778	30824	9.98726065	1863	9.39059712	32688	10.60940287	19
82	9.37816603	30801	9.98724202	1865	9.39092402	32666	10.60907598	18
83	9.37847404	30778	9.98722336	1866	9.39125068	32645	10.60874931	17
84	9.37878183	30755	9.98720470	1868	9.39157713	32623	10.60842286	16
85	9.37908938	30732	9.98718601	1869	9.39190336	32601	10.60809663	15
86	9.37939671	30709	9.98716732	1870	9.39222938	32580	10.60777061	14
87	9.37970380	30686	9.98714861	1872	9.39255518	32558	10.60744481	13
88	9.38001066	30663	9.98712989	1873	9.39288077	32536	10.60711922	12
89	9.38031729	30640	9.98711115	1875	9.39320614	32515	10.60679385	11
90	9.38062370	30617	9.98709240	1876	9.39353129	32493	10.60646870	10
91	9.38092987	30594	9.98707363	1877	9.39385623	32472	10.60614376	9
92	9.38123582	30571	9.98705485	1879	9.39418096	32450	10.60581903	8
93	9.38154153	30548	9.98703606	1880	9.39450547	32429	10.60549452	7
94	9.38184702	30525	9.98701725	1882	9.39482976	32408	10.60517023	6
95	9.38215228	30503	9.98699843	1883	9.39515384	32386	10.60484615	5
96	9.38245731	30480	9.98697960	1884	9.39547771	32365	10.60452228	4
97	9.38276212	30457	9.98696075	1886	9.39580137	32344	10.60419862	3
98	9.38306670	30435	9.98694188	1887	9.39612481	32322	10.60387518	2
99	9.38337105	30412	9.98692301	1889	9.39644804	32301	10.60355195	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.38367517	30389	9.98690411	1890	9.39677105	32280	10.60322894	100
1	9.38397907	30367	9.98688521	1891	9.39709386	32259	10.60290613	99
2	9.38428274	30344	9.98686629	1893	9.39741645	32238	10.60258354	98
3	9.38458619	30322	9.98684735	1894	9.39773883	32217	10.60226116	97
4	9.38488941	30299	9.98682841	1896	9.39806100	32195	10.60193899	96
5	9.38519241	30277	9.98680944	1897	9.39838296	32174	10.60161703	95
6	9.38549519	30254	9.98679047	1899	9.39870471	32153	10.60129528	94
7	9.38579774	30232	9.98677148	1900	9.39902625	32132	10.60097374	93
8	9.38610006	30210	9.98675247	1901	9.39934758	32112	10.60065241	92
9	9.38640216	30187	9.98673346	1903	9.39966870	32091	10.60033129	91
10	9.38670404	30165	9.98671442	1904	9.39998961	32070	10.60001038	90
11	9.38700570	30143	9.98669538	1906	9.40031032	32049	10.59968967	89
12	9.38730713	30121	9.98667632	1907	9.40063081	32028	10.59936918	88
13	9.38760834	30098	9.98665724	1908	9.40095109	32007	10.59904890	87
14	9.38790933	30076	9.98663815	1910	9.40127117	31986	10.59872882	86
15	9.38821010	30054	9.98661905	1911	9.40159104	31966	10.59840895	85
16	9.38851064	30032	9.98659993	1913	9.40191070	31945	10.59808929	84
17	9.38881097	30010	9.98658080	1914	9.40223016	31924	10.59776983	83
18	9.38911107	29988	9.98656166	1915	9.40254941	31904	10.59745058	82
19	9.38941096	29966	9.98654250	1917	9.40286845	31883	10.59713154	81
20	9.38971062	29944	9.98652333	1918	9.40318729	31863	10.59681270	80
21	9.39001006	29922	9.98650414	1920	9.40350592	31842	10.59649407	79
22	9.39030929	29900	9.98648494	1921	9.40382434	31822	10.59617565	78
23	9.39060829	29878	9.98646572	1922	9.40414256	31801	10.59585743	77
24	9.39090708	29856	9.98644649	1924	9.40446058	31781	10.59553941	76
25	9.39120565	29834	9.98642725	1925	9.40477839	31760	10.59522160	75
26	9.39150399	29813	9.98640799	1927	9.40509600	31740	10.59490399	74
27	9.39180212	29791	9.98638872	1928	9.40541340	31719	10.59458659	73
28	9.39210004	29769	9.98636944	1929	9.40573060	31699	10.59426939	72
29	9.39239773	29747	9.98635014	1931	9.40604759	31679	10.59395240	71
30	9.39269521	29726	9.98633082	1932	9.40636438	31658	10.59363561	70
31	9.39299247	29704	9.98631149	1934	9.40668097	31638	10.59331902	69
32	9.39328952	29682	9.98629215	1935	9.40699736	31618	10.59300263	68
33	9.39358635	29661	9.98627280	1937	9.40731355	31598	10.59268644	67
34	9.39388296	29639	9.98625343	1938	9.40762953	31578	10.59237046	66
35	9.39417936	29618	9.98623404	1939	9.40794531	31558	10.59205468	65
36	9.39447554	29596	9.98621464	1941	9.40826089	31537	10.59173910	64
37	9.39477151	29575	9.98619523	1942	9.40857627	31517	10.59142372	63
38	9.39506726	29553	9.98617580	1944	9.40889145	31497	10.59110854	62
39	9.39536280	29532	9.98615636	1945	9.40920643	31477	10.59079356	61
40	9.39565812	29510	9.98613691	1946	9.40952121	31457	10.59047878	60
41	9.39595323	29489	9.98611744	1948	9.40983578	31437	10.59016421	59
42	9.39624813	29468	9.98609796	1949	9.41015016	31417	10.58984983	58
43	9.39654281	29446	9.98607846	1951	9.41046434	31398	10.58953565	57
44	9.39683728	29425	9.98605895	1952	9.41077832	31378	10.58922167	56
45	9.39713153	29404	9.98603942	1953	9.41109211	31358	10.58890788	55
46	9.39742558	29383	9.98601988	1955	9.41140569	31338	10.58859430	54
47	9.39771941	29362	9.98600033	1956	9.41171907	31318	10.58828092	53
48	9.39801303	29340	9.98598076	1958	9.41203226	31299	10.58796773	52
49	9.39830644	29319	9.98596118	1959	9.41234525	31279	10.58765474	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.39859964	29298	9.98594159	1960	9.41265805	31259	10.58734194	50
51	9.39889262	29277	9.98592198	1962	9.41297064	31239	10.58702935	49
52	9.39918540	29256	9.98590235	1963	9.41328304	31220	10.58671695	48
53	9.39947796	29235	9.98588271	1965	9.41359524	31200	10.58640475	47
54	9.39977032	29214	9.98586306	1966	9.41390725	31181	10.58609274	46
55	9.40006246	29193	9.98584340	1968	9.41421906	31161	10.58578093	45
56	9.40035440	29172	9.98582371	1969	9.41453068	31142	10.58546931	44
57	9.40064613	29151	9.98580402	1970	9.41484210	31122	10.58515789	43
58	9.40093764	29130	9.98578431	1972	9.41515333	31103	10.58484666	42
59	9.40122895	29109	9.98576459	1973	9.41546436	31083	10.58453563	41
60	9.40152005	29089	9.98574485	1975	9.41577519	31064	10.58422480	40
61	9.40181094	29068	9.98572510	1976	9.41608584	31044	10.58391415	39
62	9.40210163	29047	9.98570534	1977	9.41639629	31025	10.58360370	38
63	9.40239210	29026	9.98568556	1979	9.41670654	31006	10.58329345	37
64	9.40268237	29006	9.98566576	1980	9.41701660	30986	10.58298339	36
65	9.40297243	28985	9.98564595	1982	9.41732647	30967	10.58267352	35
66	9.40326229	28964	9.98562613	1983	9.41763615	30948	10.58236384	34
67	9.40355193	28944	9.98560630	1985	9.41794563	30929	10.58205436	33
68	9.40384138	28923	9.98558645	1986	9.41825493	30910	10.58174507	32
69	9.40413061	28903	9.98556658	1987	9.41856403	30890	10.58143596	31
70	9.40441964	28882	9.98554670	1989	9.41887293	30871	10.58112706	30
71	9.40470847	28861	9.98552681	1990	9.41918165	30852	10.58081834	20
72	9.40499709	28841	9.98550691	1992	9.41949018	30833	10.58050981	28
73	9.40528550	28821	9.98548698	1993	9.41979851	30814	10.58020148	27
74	9.40557371	28800	9.98546705	1994	9.42010666	30795	10.57989333	26
75	9.40586172	28780	9.98544710	1996	9.42041461	30776	10.57958538	25
76	9.40614952	28759	9.98542714	1997	9.42072238	30757	10.57927761	24
77	9.40643712	28739	9.98540716	1999	9.42102995	30738	10.57897004	23
78	9.40672451	28719	9.98538717	2000	9.42133734	30719	10.57866265	22
79	9.40701170	28698	9.98536716	2001	9.42164453	30700	10.57835546	21
80	9.40729869	28678	9.98534714	2003	9.42195154	30681	10.57804845	20
81	9.40758548	28658	9.98532711	2004	9.42225836	30663	10.57774163	19
82	9.40787206	28638	9.98530706	2006	9.42256499	30644	10.57743500	18
83	9.40815844	28617	9.98528700	2007	9.42287143	30625	10.57712856	17
84	9.40844462	28597	9.98526692	2009	9.42317769	30606	10.57682230	16
85	9.40873059	28577	9.98524683	2010	9.42348376	30588	10.57651623	15
86	9.40901637	28557	9.98522673	2011	9.42378964	30569	10.57621035	14
87	9.40930194	28537	9.98520661	2013	9.42409533	30550	10.57590466	13
88	9.40958732	28517	9.98518647	2014	9.42440084	30532	10.57559915	12
89	9.40987249	28497	9.98516633	2016	9.42470616	30513	10.57529383	11
90	9.41015746	28477	9.98514617	2017	9.42501129	30494	10.57498870	10
91	9.41044223	28457	9.98512599	2018	9.42531624	30476	10.57468375	9
92	9.41072681	28437	9.98510580	2020	9.42562100	30457	10.57437899	8
93	9.41101118	28417	9.98508560	2021	9.42592558	30439	10.57407441	7
94	9.41129535	28397	9.98506538	2023	9.42622997	30420	10.57377002	6
95	9.41157933	28377	9.98504515	2024	9.42653418	30402	10.57346581	5
96	9.41186310	28357	9.98502490	2026	9.42683820	30383	10.57316179	4
97	9.41214668	28337	9.98500464	2027	9.42714204	30365	10.57285795	3
98	9.41243006	28318	9.98498437	2028	9.42744569	30347	10.57255430	2
99	9.41271324	28298	9.98496408	2030	9.42774916	30328	10.57225083	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.41299623	28278	9.98484377	2031	9.42805245	30310	10.57194754	100
1	9.41327901	28258	9.98482346	2033	9.42835555	30292	10.57164444	99
2	9.41356160	28239	9.98480312	2034	9.42865847	30273	10.57134152	98
3	9.41384399	28219	9.98488278	2035	9.42896121	30255	10.57103878	97
4	9.41412619	28199	9.98486242	2037	9.42926376	30237	10.57073623	96
5	9.41440819	28180	9.98484204	2038	9.42956614	30219	10.57043385	95
6	9.41468999	28160	9.98482166	2040	9.42986833	30200	10.57013166	94
7	9.41497159	28141	9.98480125	2041	9.43017033	30182	10.56982966	93
8	9.41525300	28121	9.98478084	2043	9.43047216	30164	10.56952783	92
9	9.41553422	28101	9.98476041	2044	9.43077381	30146	10.56922618	91
10	9.41581524	28082	9.98473996	2045	9.43107527	30128	10.56892472	90
11	9.41609605	28063	9.98471950	2047	9.43137656	30110	10.56862343	89
12	9.41637669	28043	9.98469903	2048	9.43167766	30092	10.56832233	88
13	9.41665713	28024	9.98467854	2050	9.43197858	30074	10.56802141	87
14	9.41693737	28004	9.98465804	2051	9.43227933	30056	10.56772066	86
15	9.41721742	27985	9.98463752	2053	9.43257989	30038	10.56742010	85
16	9.41749727	27966	9.98461699	2054	9.43288027	30020	10.56711972	84
17	9.41777693	27946	9.98459645	2055	9.43318048	30002	10.56681951	83
18	9.41805640	27927	9.98457589	2057	9.43348051	29984	10.56651948	82
19	9.41833568	27908	9.98455532	2058	9.43378035	29966	10.56621964	81
20	9.41861470	27888	9.98453473	2060	9.43408002	29949	10.56591997	80
21	9.41889365	27869	9.98451413	2061	9.43437951	29931	10.56562048	79
22	9.41917234	27850	9.98449352	2062	9.43467882	29913	10.56532117	78
23	9.41945085	27831	9.98447289	2064	9.43497796	29895	10.56502203	77
24	9.41972916	27812	9.98445224	2065	9.43527692	29878	10.56472307	76
25	9.42000729	27793	9.98443158	2067	9.43557570	29860	10.56442429	75
26	9.42028522	27773	9.98441091	2068	9.43587430	29842	10.56412569	74
27	9.42056296	27754	9.98439023	2070	9.43617273	29824	10.56382726	73
28	9.42084050	27735	9.98436952	2071	9.43647098	29807	10.56352901	72
29	9.42111786	27716	9.98434881	2072	9.43676905	29789	10.56323094	71
30	9.42139503	27697	9.98432808	2074	9.43706695	29772	10.56293304	70
31	9.42167201	27678	9.98430734	2075	9.43736467	29754	10.56263532	69
32	9.42194880	27659	9.98428658	2077	9.43766221	29737	10.56233778	68
33	9.42222540	27640	9.98426581	2078	9.43795958	29719	10.56204041	67
34	9.42250181	27622	9.98454502	2080	9.43825678	29702	10.56174321	66
35	9.42277803	27603	9.98422422	2081	9.43855380	29684	10.56144619	65
36	9.42305406	27584	9.98420341	2082	9.43885065	29667	10.56114934	64
37	9.42332990	27565	9.98418258	2084	9.43914732	29649	10.56085267	63
38	9.42360556	27546	9.98416174	2085	9.43944382	29632	10.56055617	62
39	9.42388103	27527	9.98414088	2087	9.43974014	29615	10.56025985	61
40	9.42415631	27509	9.98412001	2088	9.44003629	29597	10.55996370	60
41	9.42443140	27490	9.98409912	2089	9.44033227	29580	10.55966772	59
42	9.42470630	27471	9.98407822	2091	9.44062807	29563	10.55937192	58
43	9.42498102	27453	9.98405731	2092	9.44092371	29545	10.55907628	57
44	9.42525555	27434	9.98403638	2094	9.44121916	29528	10.55878083	56
45	9.42552989	27415	9.98401544	2095	9.44151445	29511	10.55848554	55
46	9.42580405	27397	9.98399448	2097	9.44180956	29494	10.55819043	54
47	9.42607802	27378	9.98397351	2098	9.44210451	29477	10.55789548	53
48	9.42635181	27359	9.98395252	2099	9.44239928	29459	10.55760071	52
49	9.42662541	27341	9.98393153	2101	9.44269388	29442	10.55730612	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.42689882	27322	9.98391051	2102	9.44298830	29425	10.55701169	50
51	9.42717205	27304	9.98388948	2104	9.44328256	29408	10.55671743	49
52	9.42744509	27285	9.98386844	2105	9.44357665	29391	10.55642334	48
53	9.42771795	27267	9.98384738	2107	9.44387056	29374	10.55612943	47
54	9.42799062	27249	9.98382631	2108	9.44416431	29357	10.55583568	46
55	9.42826311	27230	9.98380523	2109	9.44445788	29340	10.55554211	45
56	9.42853542	27212	9.98378413	2111	9.44475129	29323	10.55524870	44
57	9.42880754	27193	9.98376302	2112	9.44504452	29306	10.55495547	43
58	9.42907948	27175	9.98374189	2114	9.44533759	29289	10.55466240	42
59	9.42935124	27157	9.98372075	2115	9.44563048	29272	10.55436951	41
60	9.42962281	27138	9.98369959	2117	9.44592321	29255	10.55407678	40
61	9.42989420	27120	9.98367842	2118	9.44621577	29239	10.55378422	39
62	9.43016540	27102	9.98365724	2119	9.44650816	29222	10.55349183	38
63	9.43043643	27084	9.98363604	2121	9.44680039	29205	10.55319960	37
64	9.43070727	27065	9.98361482	2122	9.44709244	29188	10.55290755	36
65	9.43097793	27047	9.98359360	2124	9.44738433	29171	10.55261566	35
66	9.43124841	27029	9.98357235	2125	9.44767605	29155	10.55232394	34
67	9.43151870	27011	9.98355110	2127	9.44796760	29138	10.55203239	33
68	9.43178882	26993	9.98352983	2128	9.44825898	29121	10.55174101	32
69	9.43205875	26975	9.98350854	2129	9.44855020	29105	10.55144979	31
70	9.43232850	26957	9.98348724	2131	9.44884125	29088	10.55115874	30
71	9.43259808	26939	9.98346593	2132	9.44913214	29071	10.55086785	29
72	9.43286747	26921	9.98344460	2134	9.44942286	29055	10.55057713	28
73	9.43313668	26903	9.98342326	2135	9.44971341	29038	10.55028658	27
74	9.43340571	26885	9.98340191	2137	9.45000380	29022	10.54999619	26
75	9.43367456	26867	9.98338053	2138	9.45029402	29005	10.54970597	25
76	9.43394323	26849	9.98335915	2139	9.45058408	28989	10.54941591	24
77	9.43421173	26831	9.98333775	2141	9.45087397	28972	10.54912602	23
78	9.43448004	26813	9.98331634	2142	9.45116370	28956	10.54883629	22
79	9.43474817	26795	9.98329491	2144	9.45145326	28939	10.54854673	21
80	9.43501613	26777	9.98327347	2145	9.45174266	28923	10.54825733	20
81	9.43528391	26759	9.98325201	2147	9.45203189	28906	10.54796810	19
82	9.43555151	26742	9.98323054	2148	9.45232096	28890	10.54767903	18
83	9.43581893	26724	9.98320906	2149	9.45260987	28874	10.54739012	17
84	9.43608617	26706	9.98318756	2151	9.45289861	28857	10.54710138	16
85	9.43635324	26688	9.98316605	2152	9.45318719	28841	10.54681280	15
86	9.43662013	26671	9.98314452	2154	9.45347560	28825	10.54652439	14
87	9.43688684	26653	9.98312298	2155	9.45376386	28809	10.54623613	13
88	9.43715337	26635	9.98310142	2157	9.45405195	28792	10.54594804	12
89	9.43741973	26618	9.98307985	2158	9.45433988	28776	10.54566011	11
90	9.43768591	26600	9.98305827	2159	9.45462764	28760	10.54537235	10
91	9.43795192	26582	9.98303667	2161	9.45491525	28744	10.54508474	9
92	9.43821775	26565	9.98301505	2162	9.45520269	28728	10.54479730	8
93	9.43848340	26547	9.98299343	2164	9.45548997	28711	10.54451002	7
94	9.43874888	26530	9.98297178	2165	9.45577709	28695	10.54422290	6
95	9.43901418	26512	9.98295013	2167	9.45606405	28679	10.54393594	5
96	9.43927931	26495	9.98292846	2168	9.45635085	28663	10.54364914	4
97	9.43954426	26477	9.98290677	2169	9.45663748	28647	10.54336251	3
98	9.43980904	26460	9.98288507	2171	9.45692396	28631	10.54307603	2
99	9.44007364	26442	9.98286336	2172	9.45721028	28615	10.54278971	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.44033807	26425	9.98284163	2174	9.45749643	28599	10.54250356	100
1	9.44060232	26408	9.98281989	2175	9.45778243	28583	10.54221756	99
2	9.44086640	26390	9.98279813	2177	9.45806827	28567	10.54193172	98
3	9.44113031	26373	9.98277636	2178	9.45835394	28551	10.54164605	97
4	9.44139405	26356	9.98275458	2179	9.45863946	28535	10.54136053	96
5	9.44165761	26338	9.98273278	2181	9.45892482	28520	10.54107517	95
6	9.44192099	26321	9.98271096	2182	9.45921002	28504	10.54078997	94
7	9.44218421	26304	9.98268914	2184	9.45949506	28488	10.54050493	93
8	9.44244725	26286	9.98266729	2185	9.45977995	28472	10.54022004	92
9	9.44271012	26269	9.98264544	2187	9.46006467	28456	10.53993532	91
10	9.44297281	26252	9.98262357	2188	9.46034924	28441	10.53965075	90
11	9.44323534	26235	9.98260168	2189	9.46063365	28425	10.53936634	89
12	9.44349769	26218	9.98257978	2191	9.46091790	28409	10.53908209	88
13	9.44375987	26200	9.98255787	2192	9.46120200	28393	10.53879799	87
14	9.44402188	26183	9.98253594	2194	9.46148594	28378	10.53851405	86
15	9.44428372	26166	9.98251400	2195	9.46176972	28362	10.53823027	85
16	9.44454539	26149	9.98249204	2197	9.46205334	28346	10.53794665	84
17	9.44480689	26132	9.98247007	2198	9.46233681	28331	10.53766318	83
18	9.44506821	26115	9.98244808	2200	9.46262012	28315	10.53737987	82
19	9.44532937	26098	9.98242608	2201	9.46290328	28300	10.53709671	81
20	9.44559035	26081	9.98240407	2202	9.46318628	28284	10.53681371	80
21	9.44585117	26064	9.98238204	2204	9.46346913	28268	10.53653087	79
22	9.44611182	26047	9.98236000	2205	9.46375181	28253	10.53624818	78
23	9.44637229	26030	9.98233794	2207	9.46403435	28237	10.53596564	77
24	9.44663260	26013	9.98231587	2208	9.46431673	28222	10.53568326	76
25	9.44689274	25996	9.98229378	2210	9.46459895	28206	10.53540104	75
26	9.44715271	25980	9.98227168	2211	9.46488102	28191	10.53511897	74
27	9.44741251	25963	9.98224957	2212	9.46516294	28176	10.53483705	73
28	9.44767214	25946	9.98222744	2214	9.46544470	28160	10.53455529	72
29	9.44793160	25929	9.98220529	2215	9.46572630	28145	10.53427369	71
30	9.44819090	25912	9.98218314	2217	9.46600776	28129	10.53399223	70
31	9.44845002	25895	9.98216096	2218	9.46628906	28114	10.53371093	69
32	9.44870898	25879	9.98213878	2220	9.46657020	28099	10.53342979	68
33	9.44896778	25862	9.98211658	2221	9.46685120	28084	10.53314879	67
34	9.44922640	25845	9.98209436	2222	9.46713204	28068	10.53286795	66
35	9.44948486	25829	9.98207213	2224	9.46741272	28053	10.53258727	65
36	9.44974315	25812	9.98204989	2225	9.46769326	28038	10.53230673	64
37	9.45000127	25795	9.98202763	2227	9.46797364	28023	10.53202635	63
38	9.45025923	25779	9.98200535	2228	9.46825387	28007	10.53174612	62
39	9.45051702	25762	9.98198307	2230	9.46853395	27992	10.53146604	61
40	9.45077465	25745	9.98196077	2231	9.46881388	27977	10.53118611	60
41	9.45103211	25729	9.98193845	2233	9.46909365	27962	10.53090634	59
42	9.45128940	25712	9.98191612	2234	9.46937327	27947	10.53062672	58
43	9.45154653	25696	9.98189377	2235	9.46965275	27932	10.53034724	57
44	9.45180349	25679	9.98187142	2237	9.46993207	27917	10.53006792	56
45	9.45206029	25663	9.98184904	2238	9.47021124	27901	10.52978875	55
46	9.45231692	25646	9.98182665	2240	9.47049026	27886	10.52950973	54
47	9.45257338	25630	9.98180425	2241	9.47076913	27871	10.52923086	53
48	9.45282969	25613	9.98178184	2243	9.47104785	27856	10.52895214	52
49	9.45308583	25597	9.98175940	2244	9.47132642	27841	10.52867357	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.45334180	25581	9.98173696	2245	9.47160484	27826	10.52839515	50
51	9.45359761	25564	9.98171450	2247	9.47188311	27812	10.52811688	49
52	9.45385326	25548	9.98169203	2248	9.47216123	27797	10.52783876	48
53	9.45410874	25531	9.98166954	2250	9.47243920	27782	10.52756079	47
54	9.45436406	25515	9.98164703	2251	9.47271702	27767	10.52728297	46
55	9.45461921	25499	9.98162452	2253	9.47299469	27752	10.52700530	45
56	9.45487421	25483	9.98160198	2254	9.47327222	27737	10.52672777	44
57	9.45512904	25466	9.98157944	2256	9.47354959	27722	10.52645040	43
58	9.45538370	25450	9.98155688	2257	9.47382682	27707	10.52617317	42
59	9.45563821	25434	9.98153430	2258	9.47410390	27693	10.52589609	41
60	9.45589255	25418	9.98151171	2260	9.47438083	27678	10.52561916	40
61	9.45614673	25401	9.98148911	2261	9.47465762	27663	10.52534237	39
62	9.45640075	25385	9.98146649	2263	9.47493425	27648	10.52506574	38
63	9.45665461	25369	9.98144386	2264	9.47521074	27634	10.52478925	37
64	9.45690830	25353	9.98142121	2266	9.47548709	27619	10.52451290	36
65	9.45716184	25337	9.98139855	2267	9.47576328	27604	10.52423671	35
66	9.45741521	25321	9.98137587	2269	9.47603933	27590	10.52396066	34
67	9.45766842	25305	9.98135318	2270	9.47631523	27575	10.52368476	33
68	9.45792147	25289	9.98133048	2271	9.47659099	27560	10.52340900	32
69	9.45817437	25273	9.98130776	2273	9.47686660	27546	10.52313339	31
70	9.45842710	25257	9.98128503	2274	9.47714206	27531	10.52285793	30
71	9.45867967	25241	9.98126228	2276	9.47741738	27517	10.52258261	29
72	9.45893208	25225	9.98123952	2277	9.47769255	27502	10.52230744	28
73	9.45918433	25209	9.98121674	2279	9.47796758	27488	10.52203241	27
74	9.45943642	25193	9.98119395	2280	9.47824246	27473	10.52175753	26
75	9.45968835	25177	9.98117114	2282	9.47851720	27459	10.52148279	25
76	9.45994012	25161	9.98114832	2283	9.47879179	27444	10.52120820	24
77	9.46019173	25145	9.98112549	2284	9.47906624	27430	10.52093375	23
78	9.46044319	25129	9.98110264	2286	9.47934054	27415	10.52065945	22
79	9.46069448	25113	9.98107978	2287	9.47961470	27401	10.52038529	21
80	9.46094562	25097	9.98105690	2289	9.47988871	27387	10.52011128	20
81	9.46119660	25082	9.98103401	2290	9.48016258	27372	10.51983741	19
82	9.46144742	25066	9.98101110	2292	9.48043631	27358	10.51956368	18
83	9.46169808	25050	9.98098818	2293	9.48070989	27343	10.51929010	17
84	9.46194858	25034	9.98096524	2294	9.48098333	27329	10.51901666	16
85	9.46219893	25018	9.98094229	2296	9.48125663	27315	10.51874336	15
86	9.46244912	25003	9.98091933	2297	9.48152978	27301	10.51847021	14
87	9.46269915	24987	9.98089635	2299	9.48180279	27286	10.51819720	13
88	9.46294902	24971	9.98087336	2300	9.48207566	27272	10.51792433	12
89	9.46319874	24956	9.98085035	2302	9.48234839	27258	10.51765160	11
90	9.46344830	24940	9.98082733	2303	9.48262097	27244	10.51737902	10
91	9.46369771	24924	9.98080429	2305	9.48289341	27229	10.51710658	9
92	9.46394696	24909	9.98078124	2306	9.48316571	27215	10.51683428	8
93	9.46419605	24893	9.98075817	2307	9.48343787	27201	10.51656212	7
94	9.46444498	24878	9.98073509	2309	9.48370989	27187	10.51629010	6
95	9.46469377	24862	9.98071200	2310	9.48398176	27173	10.51601823	5
96	9.46494239	24846	9.98068889	2312	9.48425349	27159	10.51574650	4
97	9.46519086	24831	9.98066577	2313	9.48452509	27145	10.51547490	3
98	9.46543917	24815	9.98064263	2315	9.48479654	27131	10.51520345	2
99	9.46568733	24800	9.98061948	2316	9.48506785	27117	10.51493214	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.46593533	24784	9.98059631	2318	9.48533902	27103	10.51466097	100
1	9.46618318	24769	9.98057313	2319	9.48561005	27089	10.51438994	99
2	9.46643088	24753	9.98054993	2321	9.48588094	27075	10.51411905	98
3	9.46667842	24738	9.98052672	2322	9.48615169	27061	10.51384830	97
4	9.46692580	24723	9.98050350	2323	9.48642230	27047	10.51357769	96
5	9.46717304	24707	9.98048026	2325	9.48669277	27033	10.51330722	95
6	9.46742011	24692	9.98045701	2326	9.48696310	27019	10.51303689	94
7	9.46766704	24677	9.98043374	2328	9.48723329	27005	10.51276670	93
8	9.46791381	24661	9.98041046	2329	9.48750335	26991	10.51249664	92
9	9.46816043	24646	9.98038716	2331	9.48777326	26977	10.51222673	91
10	9.46840689	24631	9.98036385	2332	9.48804304	26963	10.51195695	90
11	9.46865320	24615	9.98034052	2334	9.48831267	26949	10.51168732	89
12	9.46889936	24600	9.98031718	2335	9.48858217	26936	10.51141782	88
13	9.46914536	24585	9.98029383	2336	9.48885153	26922	10.51114846	87
14	9.46939122	24570	9.98027046	2338	9.48912076	26908	10.51087923	86
15	9.46963692	24554	9.98024707	2239	9.48938984	26894	10.51061015	85
16	9.46988247	24539	9.98022367	2341	9.48965879	26880	10.51034120	84
17	9.47012786	24524	9.98020026	2342	9.48992760	26867	10.51007239	83
18	9.47037311	24509	9.98017683	2344	9.49019627	26853	10.51980372	82
19	9.47061820	24494	9.98015339	2345	9.49046480	26839	10.51953519	81
20	9.47086314	24479	9.98012994	2347	9.49073320	26826	10.50926679	80
21	9.47110793	24463	9.98010646	2348	9.49100146	26812	10.50899853	79
22	9.47135257	24448	9.98008298	2349	9.49126959	26798	10.50873040	78
23	9.47159706	24433	9.98005948	2351	9.49153758	26785	10.50846241	77
24	9.47184140	24418	9.98003597	2352	9.49180543	26771	10.50819456	76
25	9.47208558	24403	9.98001244	2354	9.49207314	26757	10.50792685	75
26	9.47232962	24388	9.97998889	2355	9.49234072	26744	10.50765927	74
27	9.47257351	24373	9.97996534	2357	9.49260817	26730	10.50739182	73
28	9.47281724	24358	9.97994176	2358	9.49287548	26717	10.50712451	72
29	9.47306083	24343	9.97991818	2360	9.49314265	26703	10.50685734	71
30	9.47330427	24328	9.97989457	2361	9.49340969	26690	10.50659030	70
31	9.47354755	24313	9.97987096	2363	9.49367659	26676	10.50632340	69
32	9.47379069	24298	9.97984733	2364	9.49394336	26663	10.50605663	68
33	9.47403368	24283	9.97982368	2365	9.49420999	26649	10.50579000	67
34	9.47427652	24269	9.97980002	2367	9.49447649	26636	10.50552350	66
35	9.47451921	24254	9.97977635	2368	9.49474285	26622	10.50525714	65
36	9.47476175	24239	9.97975266	2370	9.49500908	26609	10.50499091	64
37	9.47500414	24224	9.97972896	2371	9.49527518	26596	10.50472481	63
38	9.47524639	24209	9.97970524	2373	9.49554114	26582	10.50445885	62
39	9.47548848	24194	9.97968151	2374	9.49580697	26569	10.50419302	61
40	9.47573043	24179	9.97965776	2376	9.49607266	26556	10.50392733	60
41	9.47597223	24165	9.97963400	2377	9.49633822	26542	10.50366177	59
42	9.47621388	24150	9.97961023	2379	9.49660365	26529	10.50339634	58
43	9.47645539	24135	9.97958643	2380	9.49686895	26516	10.50313104	57
44	9.47669674	24120	9.97956263	2381	9.49713411	26502	10.50286588	56
45	9.47693795	24106	9.97953881	2383	9.49739914	26489	10.50260085	55
46	9.47717902	24091	9.97951498	2384	9.49766403	26476	10.50233596	54
47	9.47741993	24076	9.97949113	2386	9.49792880	26463	10.50207119	53
48	9.47766070	24062	9.97946727	2387	9.49819343	26449	10.50180656	52
49	9.47790132	24047	9.97944339	2389	9.49845793	26436	10.50154206	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.47814180	24032	9.97941950	2390	9.49872230	26423	10.50127769	50
51	9.47838213	24018	9.97939559	2392	9.49898653	26410	10.50101346	49
52	9.47862231	24003	9.97937167	2393	9.49925064	26397	10.50074935	48
53	9.47886235	23989	9.97934773	2395	9.49951461	26384	10.50048538	47
54	9.47910224	23974	9.97932378	2396	9.49977845	26371	10.50022154	46
55	9.47934199	23960	9.97929982	2397	9.50004216	26357	10.49995783	45
56	9.47958159	23945	9.97927584	2399	9.50030574	26344	10.49969425	44
57	9.47982104	23930	9.97925185	2400	9.50056919	26331	10.49943080	43
58	9.48006035	23916	9.97922784	2402	9.50083251	26318	10.49916748	42
59	9.48029952	23902	9.97920381	2403	9.50109570	26305	10.49890429	41
60	9.48053854	23887	9.97917978	2405	9.50135876	26292	10.49864123	40
61	9.48077741	23873	9.97915572	2406	9.50162168	26279	10.49837831	39
62	9.48101614	23858	9.97913166	2408	9.50188448	26266	10.49811551	38
63	9.48125473	23844	9.97910758	2409	9.50214715	26253	10.49785284	37
64	9.48149317	23829	9.97908348	2411	9.50240969	26240	10.49759030	36
65	9.48173147	23815	9.97905937	2412	9.50267210	26227	10.49732789	35
66	9.48196963	23801	9.97903525	2413	9.50293437	26215	10.49706562	34
67	9.48220764	23786	9.97901111	2415	9.50319652	26202	10.49680347	33
68	9.48244550	23772	9.97898695	2416	9.50345855	26189	10.49654144	32
69	9.48268323	23758	9.97896278	2418	9.50372044	26176	10.49627955	31
70	9.48292081	23743	9.97893860	2419	9.50398220	26163	10.49601779	30
71	9.48315824	23729	9.97891440	2421	9.50424384	26150	10.49575615	29
72	9.48339554	23715	9.97889019	2422	9.50450534	26137	10.49549465	28
73	9.48363269	23700	9.97886596	2424	9.50476672	26125	10.49523327	27
74	9.48386970	23686	9.97884172	2425	9.50502797	26112	10.49497202	26
75	9.48410656	23672	9.97881747	2427	9.50528909	26099	10.49471090	25
76	9.48434329	23658	9.97879320	2428	9.50555009	26086	10.49444990	24
77	9.48457987	23643	9.97876891	2429	9.50581095	26073	10.49418904	23
78	9.48481631	23629	9.97874461	2431	9.50607169	26061	10.49392830	22
79	9.48505261	23615	9.97872030	2432	9.50633231	26048	10.49366768	21
80	9.48528876	23601	9.97869597	2434	9.50659279	26035	10.49340720	20
81	9.48552478	23587	9.97867162	2435	9.50685315	26023	10.49314684	19
82	9.48576065	23573	9.97864727	2437	9.50711338	26010	10.49288661	18
83	9.48599638	23559	9.97862289	2438	9.50737349	25997	10.49262650	17
84	9.48623197	23544	9.97859851	2440	9.50763346	25985	10.49236653	16
85	9.48646742	23530	9.97857410	2441	9.50789332	25972	10.49210667	15
86	9.48670273	23516	9.97854969	2443	9.50815304	25959	10.49184695	14
87	9.48693790	23502	9.97852526	2444	9.50841264	25947	10.49158735	13
88	9.48717293	23488	9.97850081	2446	9.50867211	25934	10.49132788	12
89	9.48740782	23474	9.97847635	2447	9.50893146	25922	10.49106853	11
90	9.48764256	23460	9.97845187	2448	9.50919068	25909	10.49080931	10
91	9.48787717	23446	9.97842738	2450	9.50944978	25897	10.49055021	9
92	9.48811164	23432	9.97840288	2451	9.50970875	25884	10.49029124	8
93	9.48834597	23418	9.97837836	2453	9.50996760	25872	10.49003239	7
94	9.48858015	23404	9.97835383	2454	9.50022632	25859	10.48977367	6
95	9.48881420	23390	9.97832928	2456	9.51048492	25847	10.48951507	5
96	9.48904811	23377	9.97830472	2457	9.51074339	25834	10.48925660	4
97	9.48928188	23363	9.97828014	2459	9.51100174	25822	10.48899825	3
98	9.48951551	23349	9.97825555	2460	9.51125996	25809	10.48874003	2
99	9.48974901	23335	9.97823094	2462	9.51151806	25797	10.48848193	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.48998236	23321	9.97820632	2463	9.51177603	25785	10.48822396	100
1	9.49021557	23307	9.97818168	2465	9.51203388	25772	10.48796611	99
2	9.49044865	23293	9.97815703	2466	9.51229161	25760	10.48770838	98
3	9.49068159	23280	9.97813237	2467	9.51254922	25748	10.48745077	97
4	9.49091439	23266	9.97810769	2469	9.51280670	25735	10.48719329	96
5	9.49114705	23252	9.97808300	2470	9.51306405	25723	10.48693594	95
6	9.49137958	23238	9.97805829	2472	9.51332129	25711	10.48667870	94
7	9.49161196	23224	9.97803356	2473	9.51357840	25698	10.48642159	93
8	9.49184421	23211	9.97800882	2475	9.51383538	25686	10.48616461	92
9	9.49207633	23197	9.97798407	2476	9.51409225	25674	10.48590774	91
10	9.49230830	23183	9.97795930	2478	9.51434899	25662	10.48565100	90
11	9.49254014	23170	9.97793452	2479	9.51460561	25649	10.48539438	89
12	9.49277184	23156	9.97790973	2481	9.51486211	25637	10.48513788	88
13	9.49300340	23142	9.97788491	2482	9.51511848	25625	10.48488151	87
14	9.49323483	23129	9.97786009	2484	9.51537474	25613	10.48462525	86
15	9.49346612	23115	9.97783525	2485	9.51563087	25601	10.48436912	85
16	9.49369728	23101	9.97781039	2487	9.51588688	25588	10.48411311	84
17	9.49392830	23088	9.97778552	2488	9.51614277	25576	10.48385722	83
18	9.49415918	23074	9.97776064	2489	9.51639854	25564	10.48360145	82
19	9.49438992	23061	9.97773574	2491	9.51665418	25552	10.48334581	81
20	9.49462054	23047	9.97771082	2492	9.51690971	25540	10.48309028	80
21	9.49485101	23033	9.97768589	2494	9.51716511	25528	10.48283488	79
22	9.49508135	23020	9.97766095	2495	9.51742039	25516	10.48257960	78
23	9.49531155	23006	9.97763599	2497	9.51767556	25504	10.48232443	77
24	9.49554162	22993	9.97761102	2498	9.51793060	25492	10.48206939	76
25	9.49577156	22979	9.97758603	2500	9.51818552	25480	10.48181447	75
26	9.49600136	22966	9.97756103	2501	9.51844032	25468	10.48155967	74
27	9.49623102	22952	9.97753601	2503	9.51869500	25456	10.48130499	73
28	9.49646055	22939	9.97751098	2504	9.51894956	25444	10.48105043	72
29	9.49668995	22926	9.97748594	2506	9.51920401	25432	10.48079598	71
30	9.49691921	22912	9.97746088	2507	9.51945833	25420	10.48054166	70
31	9.49714834	22899	9.97743580	2509	9.51971253	25408	10.48028746	69
32	9.49737733	22885	9.97741071	2510	9.51996661	25396	10.48003338	68
33	9.49760619	22872	9.97738561	2511	9.52022058	25384	10.47977941	67
34	9.49783491	22859	9.97736049	2513	9.52047442	25372	10.47952557	66
35	9.49806350	22845	9.97733535	2514	9.52072815	25360	10.47927184	65
36	9.49829196	22832	9.97731020	2516	9.52098175	25348	10.47901824	64
37	9.49852029	22819	9.97728504	2517	9.52123524	25336	10.47876475	63
38	9.49874848	22805	9.97725986	2519	9.52148861	25325	10.47851138	62
39	9.49897654	22792	9.97723467	2520	9.52174186	25313	10.47825813	61
40	9.49920446	22779	9.97720946	2522	9.52199500	25301	10.47800499	60
41	9.49943226	22766	9.97718424	2523	9.52224801	25289	10.47775198	59
42	9.49965992	22752	9.97715900	2525	9.52250091	25277	10.47749908	58
43	9.49988744	22739	9.97713375	2526	9.52275369	25266	10.47724630	57
44	9.50011484	22726	9.97710849	2528	9.52300635	25254	10.47699364	56
45	9.50034210	22713	9.97708320	2529	9.52325889	25242	10.47674110	55
46	9.50056923	22699	9.97705791	2531	9.52351132	25230	10.47648867	54
47	9.50079623	22686	9.97703260	2532	9.52376363	25219	10.47623636	53
48	9.50102310	22673	9.97700727	2533	9.52401582	25207	10.47598417	52
49	9.50124984	22660	9.97698193	2535	9.52426790	25195	10.47573209	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.50147644	22647	9.97695658	2536	9.52451986	25184	10.47548013	50
51	9.50170291	22634	9.97693121	2538	9.52477170	25172	10.47522829	49
52	9.50192925	22621	9.97690583	2539	9.52502342	25160	10.47497657	48
53	9.50215546	22607	9.97688043	2541	9.52527503	25149	10.47472496	47
54	9.50238154	22594	9.97685501	2542	9.52552653	25137	10.47447346	46
55	9.50260749	22581	9.97682959	2544	9.52577790	25126	10.47422209	45
56	9.50283331	22568	9.97680414	2545	9.52602916	25114	10.47397083	44
57	9.50305900	22555	9.97677869	2547	9.52628031	25102	10.47371968	43
58	9.50328455	22542	9.97675321	2548	9.52653134	25091	10.47346865	42
59	9.50350998	22529	9.97672773	2550	9.52678225	25079	10.47321774	41
60	9.50373528	22516	9.97670222	2551	9.52703305	25068	10.47296694	40
61	9.50396044	22503	9.97667671	2553	9.52728373	25056	10.47271626	39
62	9.50418548	22490	9.97665118	2554	9.52753430	25045	10.47246569	38
63	9.50441039	22477	9.97662563	2556	9.52778475	25033	10.47221524	37
64	9.50463516	22464	9.97660007	2557	9.52803509	25022	10.47196490	36
65	9.50485981	22451	9.97657449	2559	9.52828531	25010	10.47171468	35
66	9.50508433	22438	9.97654890	2560	9.52853542	24999	10.47146457	34
67	9.50530872	22425	9.97652330	2561	9.52878541	24987	10.47121458	33
68	9.50553298	22413	9.97649768	2563	9.52903529	24976	10.47096470	32
69	9.50575711	22400	9.97647205	2564	9.52928506	24965	10.47071493	31
70	9.50598111	22387	9.97644640	2566	9.52953471	24953	10.47046528	30
71	9.50620498	22374	9.97642073	2567	9.52978425	24942	10.47021574	29
72	9.50642873	22361	9.97639505	2569	9.53003367	24930	10.46996632	28
73	9.50665234	22348	9.97636936	2570	9.53028298	24919	10.46971701	27
74	9.50687583	22335	9.97634365	2572	9.53053217	24908	10.46946782	26
75	9.50709919	22323	9.97631793	2573	9.53078126	24896	10.46921873	25
76	9.50732242	22310	9.97629219	2575	9.53103023	24885	10.46896976	24
77	9.50754553	22297	9.97626644	2576	9.53127908	24874	10.46872091	23
78	9.50776850	22284	9.97624067	2578	9.53152783	24863	10.46847216	22
79	9.50799135	22272	9.97621489	2579	9.53177646	24851	10.46822353	21
80	9.50821407	22259	9.97618909	2581	9.53202497	24840	10.46797502	20
81	9.50843667	22246	9.97616328	2582	9.53227338	24829	10.46772661	19
82	9.50865913	22233	9.97613746	2584	9.53252167	24818	10.46747832	18
83	9.50888147	22221	9.97611162	2585	9.53276985	24806	10.46723014	17
84	9.50910368	22208	9.97608576	2587	9.53301792	24795	10.46698207	16
85	9.50932577	22195	9.97605989	2588	9.53326587	24784	10.46673412	15
86	9.50954773	22183	9.97603401	2589	9.53351372	24773	10.46648627	14
87	9.50976956	22170	9.97600811	2591	9.53376145	24762	10.46623854	13
88	9.50999127	22157	9.97598219	2592	9.53400907	24750	10 46599092	12
89	9.51021284	22145	9.97595626	2594	9.53425658	24739	10.46574341	11
90	9.51043430	22132	9.97593032	2595	9.53450398	24728	10.46549601	10
91	9.51065562	22120	9.97590436	2597	9.53475126	24717	10.46524873	9
92	9.51087682	22107	9.97587838	2598	9.53499844	24706	10.46500155	8
93	9.51109790	22094	9.97585240	2600	9.53524550	24695	10.46475449	7
94	9.51131885	22082	9.97582639	2601	9.53549245	24684	10.46450754	6
95	9.51153967	22069	9.97580037	2603	9.53573929	24673	10.46426070	5
96	9.51176037	22057	9.97577434	2604	9.53598603	24662	10.46401396	4
97	9.51198094	22044	9.97574829	2606	9.53623265	24651	10.46376734	3
98	9.51220139	22032	9.97572223	2607	9.53647916	24640	10.46352083	2
99	9.51242171	22019	9.97569615	2609	9.53672556	24629	10.46327443	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.51264191	22007	9.97567006	2610	9.53697185	24617	10.46302814	100
1	9.51286199	21994	9.97564395	2612	9.53721803	24607	10.46278196	99
2	9.51308193	21982	9.97561783	2613	9.53746410	24596	10.46253589	98
3	9.51330176	21969	9.97559170	2615	9.53771006	24585	10.46228993	97
4	9.51352146	21957	9.97556554	2616	9.53795591	24574	10.46204408	96
5	9.51374103	21945	9.97553938	2618	9.53820165	24563	10.46179834	95
6	9.51396048	21932	9.97551320	2619	9.53844728	24552	10.46155271	94
7	9.51417981	21920	9.97548700	2621	9.53869280	24541	10.46130719	93
8	9.51439901	21907	9.97546079	2622	9.53893822	24530	10.46106177	92
9	9.51461809	21895	9.97543456	2624	9.53918352	24519	10.46081647	91
10	9.51483705	21883	9.97540832	2625	9.53942872	24508	10.46057127	90
11	9.51505588	21870	9.97538207	2626	9.53967380	24497	10.46032619	89
12	9.51527459	21858	9.97535580	2628	9.53991878	24486	10.46008121	88
13	9.51549317	21846	9.97532951	2629	9.54016365	24476	10.45983634	87
14	9.51571163	21833	9.97530322	2631	9.54040841	24465	10.45959158	86
15	9.51592997	21821	9.97527690	2632	9.54065307	24454	10.45934692	85
16	9.51614819	21809	9.97525057	2634	9.54089761	24443	10.45910238	84
17	9.51636628	21797	9.97522423	2635	9.54114205	24432	10.45885794	83
18	9.51658425	21784	9.97519787	2637	9.54138638	24422	10.45861361	82
19	9.51680210	21772	9.97517150	2638	9.54163060	24411	10.45836959	81
20	9.51701983	21760	9.97514511	2640	9.54187471	24400	10.45812528	80
21	9.51723743	21748	9.97511870	2641	9.54211872	24389	10.45788127	79
22	9.51745491	21735	9.97509229	2643	9.54236262	24379	10.45763737	78
23	9.51767227	21723	9.97506585	2644	9.54260641	24368	10.45739358	77
24	9.51788950	21711	9.97503940	2646	9.54285010	24357	10.45714990	76
25	9.51810662	21699	9.97501294	2647	9.54309367	24347	10.45690632	75
26	9.51832361	21687	9.97498646	2649	9.54333714	24336	10.45666285	74
27	9.51854048	21675	9.97495997	2650	9.54358051	24325	10.45641948	73
28	9.51875723	21662	9.97493346	2652	9.54382376	24315	10.45617623	72
29	9.51897386	21650	9.97490694	2653	9.54406692	24304	10.45593307	71
30	9.51919037	21638	9.97488041	2655	9.54430996	24293	10.45569003	70
31	9.51940676	21626	9.97485385	2656	9.54455290	24283	10.45544709	69
32	9.51962302	21614	9.97482729	2658	9.54479573	24272	10.45520426	68
33	9.51983917	21602	9.97480071	2659	9.54503846	24262	10.45496153	67
34	9.52005519	21590	9.97477411	2661	9.54528108	24251	10.45471891	66
35	9.52027110	21578	9.97474750	2662	9.54552359	24240	10.45447640	65
36	9.52048688	21566	9.97472087	2664	9.54576600	24230	10.45423399	64
37	9.52070254	21554	9.97469423	2665	9.54600830	24219	10.45399169	63
38	9.52091808	21542	9.97466758	2667	9.54625050	24209	10.45374949	62
39	9.52113350	21530	9.97464091	2668	9.54649259	24198	10.45350740	61
40	9.52134881	21518	9.97461422	2670	9.54673458	24188	10.45326541	60
41	9.52156399	21506	9.97458752	2671	9.54697646	24177	10.45302353	59
42	9.52177905	21494	9.97456080	2673	9.54721824	24167	10.45278175	58
43	9.52199399	21482	9.97453407	2674	9.54745991	24156	10.45254008	57
44	9.52220882	21470	9.97450733	2675	9.54770148	24146	10.45229851	56
45	9.52242352	21458	9.97448057	2677	9.54794295	24135	10.45205704	55
46	9.52263810	21446	9.97445379	2678	9.54818431	24125	10.45181568	54
47	9.52285257	21434	9.97442700	2680	9.54842556	24115	10.45157443	53
48	9.52306692	21422	9.97440020	2681	9.54866671	24104	10.45133328	52
49	9.52328114	21410	9.97437338	2683	9.54890776	24094	10.45109223	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.52349525	21398	9.97434655	2684	9.54914870	24083	10.45085129	50
51	9.52370924	21387	9.97431970	2686	9.54938954	24073	10.45061045	49
52	9.52392311	21375	9.97429283	2687	9.54963027	24063	10.45036972	48
53	9.52413686	21363	9.97426595	2689	9.54987091	24052	10.45012909	47
54	9.52435050	21351	9.97423906	2690	9.55011143	24042	10.44988856	46
55	9.52456401	21339	9.97421215	2692	9.55035186	24032	10.44964813	45
56	9.52477741	21327	9.97418523	2693	9.55059218	24021	10.44940781	44
57	9.52499069	21315	9.97415829	2695	9.55083240	24011	10.44916759	43
58	9.52520385	21304	9.97413134	2696	9.55107251	24001	10.44892748	42
59	9.52541690	21292	9.97410437	2698	9.55131252	23990	10.44868747	41
60	9.52562982	21280	9.97407738	2699	9.55155243	23980	10.44844756	40
61	9.52584263	21269	9.97405039	2701	9.55179224	23970	10.44820775	39
62	9.52605532	21257	9.97402337	2702	9.55203194	23960	10.44796805	38
63	9.52626790	21245	9.97399635	2704	9.55227155	23949	10.44772844	37
64	9.52648035	21233	9.97396930	2705	9.55251105	23939	10.44748894	36
65	9.52669269	21222	9.97394224	2707	9.55275044	23929	10.44724955	35
66	9.52690492	21210	9.97391517	2708	9.55298974	23919	10.44701025	34
67	9.52711702	21198	9.97388808	2710	9.55322893	23909	10.44677106	33
68	9.52732901	21187	9.97386098	2711	9.55346802	23898	10.44653197	32
69	9.52754088	21175	9.97383386	2713	9.55370701	23888	10.44629298	31
70	9.52775264	21163	9.97380673	2714	9.55394590	23878	10.44605409	30
71	9.52796428	21152	9.97377958	2716	9.55418469	23868	10.44581530	29
72	9.52817580	21140	9.97375242	2717	9.55442337	23858	10.44557662	28
73	9.52838721	21129	9.97372525	2719	9.55466196	23848	10.44533803	27
74	9.52859850	21117	9.97369805	2720	9.55490044	23838	10.44509955	26
75	9.52880967	21105	9.97367085	2722	9.55513882	23828	10.44486117	25
76	9.52902073	21094	9.97364362	2723	9.55537710	23818	10.44462289	24
77	9.52923168	21082	9.97361639	2725	9.55561528	23807	10.44438471	23
78	9.52944250	21071	9.97358914	2726	9.55585336	23797	10.44414663	22
79	9.52965322	21059	9.97356187	2728	9.55609134	23787	10.44390865	21
80	9.52986381	21048	9.97353459	2729	9.55632922	23777	10.44367077	20
81	9.53007429	21036	9.97350729	2731	9.55656700	23767	10.44343299	19
82	9.53028466	21025	9.97347998	2732	9.55680468	23757	10.44319531	18
83	9.53049491	21013	9.97345265	2734	9.55704225	23747	10.44295774	17
84	9.53070505	21002	9.97342531	2735	9.55727973	23737	10.44272026	16
85	9.53091507	20990	9.97339795	2737	9.55751711	23727	10.44248288	15
86	9.53112497	20979	9.97337058	2738	9.55775439	23717	10.44224560	14
87	9.53133477	20967	9.97334320	2740	9.55799156	23707	10.44200843	13
88	9.53154444	20956	9.97331579	2741	9.55822864	23697	10.44177135	12
89	9.53175401	20944	9.97328838	2743	9.55846562	23687	10.44153437	11
90	9.53196346	20933	9.97326095	2744	9.55870250	23678	10.44129749	10
91	9.53217279	20922	9.97323350	2746	9.55893928	23668	10.44106071	9
92	9.53238201	20910	9.97320604	2747	9.55917597	23658	10.44082403	8
93	9.53259112	20899	9.97317856	2749	9.55941255	23648	10.44058744	7
94	9.53280011	20887	9.97315107	2750	9.55964903	23638	10.44035096	6
95	9.53300899	20876	9.97312357	2752	9.55988542	23628	10.44011457	5
96	9.53321775	20865	9.97309605	2753	9.56012170	23618	10.43987829	4
97	9.53342640	20853	9.97306851	2755	9.56035789	23608	10.43964210	3
98	9.53363494	20842	9.97304096	2756	9.56059398	23599	10.43940601	2
99	9.53384337	20831	9.97301339	2758	9.56082997	23589	10.43917002	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9·53405168	20819	9·97298581	2759	9·56106586	23579	10·43893413	100
1	9·53425988	20803	9·97295822	2761	9·56130166	23569	10·43869833	99
2	9·53446795	20797	9·97293060	2762	9·56153735	23559	10·43846264	98
3	9·53467594	20786	9·97290298	2764	9·56177295	23550	10·43822704	97
4	9·53488380	20774	9·97287534	2765	9·56200845	23540	10·43799154	96
5	9·53509154	20763	9·97284768	2767	9·56224386	23530	10·43775613	95
6	9·53529918	20752	9·97282001	2768	9·56247916	23520	10·43752083	94
7	9·53550670	20741	9·97279233	2770	9·56271437	23511	10·43728562	93
8	9·53571411	20729	9·97276462	2771	9·56294948	23501	10·43705051	92
9	9·53592141	20718	9·97273691	2773	9·56318450	23491	10·43681549	91
10	9·53612859	20707	9·97270918	2774	9·56341941	23481	10·43658058	90
11	9·53633567	20696	9·97268143	2776	9·56365423	23472	10·43634576	89
12	9·53654263	20684	9·97265367	2777	9·56388895	23462	10·43611104	88
13	9·53674948	20673	9·97262589	2779	9·56412358	23452	10·43587641	87
14	9·53695622	20662	9·97259810	2780	9·56435811	23443	10·43564188	86
15	9·53716285	20651	9·97257030	2782	9·56459254	23433	10·43540745	85
16	9·53736936	20640	9·97254248	2783	9·56482688	23423	10·43517311	84
17	9·53757576	20629	9·97251464	2785	9·56506112	23414	10·43493887	83
18	9·53778205	20618	9·97248679	2786	9·56529526	23404	10·43470473	82
19	9·53798824	20607	9·97245892	2788	9·56552931	23395	10·43447068	81
20	9·53819431	20595	9·97243104	2789	9·56576326	23385	10·43423673	80
21	9·53840027	20584	9·97240315	2791	9·56599712	23375	10·43400287	79
22	9·53860612	20573	9·97237524	2792	9·56623087	23366	10·43376912	78
23	9·53881185	20562	9·97234731	2794	9·56646454	23356	10·43353545	77
24	9·53901748	20551	9·97231937	2795	9·56669811	23347	10·43330188	76
25	9·53922300	20540	9·97229141	2797	9·56693158	23337	10·43306841	75
26	9·53942840	20529	9·97226344	2798	9·56716496	23328	10·43283503	74
27	9·53963370	20518	9·97223546	2800	9·56739824	23318	10·43260175	73
28	9·53983888	20507	9·97220745	2801	9·56763143	23309	10·43236856	72
29	9·54004396	20496	9·97217944	2803	9·56786452	23299	10·43213547	71
30	9·54024893	20485	9·97215141	2804	9·56809751	23290	10·43190248	70
31	9·54045378	20474	9·97212336	2806	9·56833042	23280	10·43166957	69
32	9·54065853	20463	9·97209530	2807	9·56856322	23271	10·43143677	68
33	9·54086316	20452	9·97206722	2809	9·56879594	23261	10·43120405	67
34	9·54106769	20441	9·97203913	2810	9·56902855	23252	10·43097144	66
35	9·54127211	20430	9·97201103	2812	9·56926108	23242	10·43073891	65
36	9·54147641	20419	9·97198290	2813	9·56949351	23233	10·43050648	64
37	9·54168061	20408	9·97195477	2815	9·56972584	23224	10·43027415	63
38	9·54188470	20397	9·97192662	2816	9·56995808	23214	10·43004191	62
39	9·54208868	20387	9·97189845	2818	9·57019023	23205	10·42980976	61
40	9·54229255	20376	9·97187027	2819	9·57042228	23195	10·42957771	60
41	9·54249631	20365	9·97184207	2821	9·57065424	23186	10·42934575	59
42	9·54269997	20354	9·97181386	2822	9·57088610	23177	10·42911389	58
43	9·54290351	20343	9·97178563	2824	9·57111788	23167	10·42888211	57
44	9·54310695	20332	9·97175739	2825	9·57134955	23158	10·42865044	56
45	9·54331028	20321	9·97172913	2827	9·57158114	23149	10·42841885	55
46	9·54351350	20311	9·97170086	2828	9·57181263	23139	10·42818736	54
47	9·54371661	20300	9·97167257	2830	9·57204403	23130	10·42795596	53
48	9·54391961	20289	9·97164427	2831	9·57227533	23121	10·42772466	52
49	9·54412250	20278	9·97161595	2833	9·57250655	23111	10·42749344	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9·54432529	20267	9·97158762	2834	9·57273766	23102	10.42726233	50
51	9·54452797	20257	9·97155927	2836	9·57296869	23093	10.42703130	49
52	9·54473054	20246	9·97153091	2837	9·57319962	23084	10.42680037	48
53	9·54493300	20235	9·97150253	2839	9·57343047	23074	10.42656952	47
54	9·54513536	20224	9·97147414	2840	9·57366121	23065	10.42633878	46
55	9·54533761	20214	9·97144573	2842	9·57389187	23056	10.42610812	45
56	9·54553975	20203	9·97141731	2843	9·57412243	23047	10.42587756	44
57	9·54574178	20192	9·97138887	2845	9·57435291	23037	10.42564708	43
58	9·54594371	20181	9·97136042	2846	9·57458329	23028	10.42541670	42
59	9·54614553	20171	9·97133195	2848	9·57481357	23019	10.42518642	41
60	9·54634724	20160	9·97130347	2849	9·57504377	23010	10.42495622	40
61	9·54654885	20149	9·97127497	2851	9·57527387	23001	10.42472612	39
62	9·54675035	20139	9·97124645	2852	9·57550389	22992	10.42449610	38
63	9·54695174	20128	9·97121793	2854	9·57573381	22982	10.42426618	37
64	9·54715302	20117	9·97118938	2855	9·57596364	22973	10.42403635	36
65	9·54735420	20107	9·97116082	2857	9·57619337	22964	10.42380662	35
66	9·54755528	20096	9·97113225	2858	9·57642302	22955	10.42357697	34
67	9·54775624	20086	9·97110365	2860	9·57665258	22946	10.42334741	33
68	9·54795710	20075	9·97107506	2861	9·57688204	22937	10.42311795	32
69	9·54815786	20064	9·97104644	2863	9·57711142	22928	10.42288857	31
70	9·54835851	20054	9·97101780	2864	9·57734070	22919	10.42265929	30
71	9·54855905	20043	9·97098915	2866	9·57756989	22910	10.42243010	29
72	9·54875949	20033	9·97096049	2867	9·57779899	22901	10.42220100	28
73	9·54895982	20022	9·97093181	2869	9·57802800	22892	10.42197199	27
74	9·54916004	20011	9·97090311	2870	9·57825692	22882	10.42174307	26
75	9·54936016	20001	9·97087440	2872	9·57848575	22873	10.42151424	25
76	9·54956018	19990	9·97084568	2874	9·57871449	22864	10.42128550	24
77	9·54976009	19980	9·97081694	2875	9·57894314	22855	10.42105685	23
78	9·54995989	19969	9·97078818	2877	9·57917170	22846	10.42082829	22
79	9·55015959	19959	9·97075941	2878	9·57940017	22837	10.42059982	21
80	9·55035918	19948	9·97073063	2880	9·57962855	22828	10.42037144	20
81	9·55055867	19938	9·97070183	2881	9·57985684	22820	10.42014315	19
82	9·55075806	19927	9·97067301	2883	9·58008504	22811	10.41991495	18
83	9·55095734	19917	9·97064418	2884	9·58031315	22802	10.41968684	17
84	9·55115651	19907	9·97061533	2886	9·58054117	22793	10.41945882	16
85	9·55135558	19896	9·97058647	2887	9·58076910	22784	10.41923089	15
86	9·55155455	19886	9·97055760	2889	9·58099695	22775	10.41900304	14
87	9·55175341	19875	9·97052870	2890	9·58122470	22766	10.41877529	13
88	9·55195217	19865	9·97049980	2892	9·58145236	22757	10.41854763	12
89	9·55215082	19854	9·97047088	2893	9·58167994	22748	10.41832005	11
90	9·55234937	19844	9·97044194	2895	9·58190742	22739	10.41809257	10
91	9·55254781	19834	9·97041299	2896	9·58213482	22730	10.41786517	9
92	9·55274615	19823	9·97038402	2898	9·58236213	22722	10.41763786	8
93	9·55294439	19813	9·97035504	2899	9·58258935	22713	10.41741064	7
94	9·55314253	19803	9·97032604	2901	9·58281648	22704	10.41718351	6
95	9·55334056	19792	9·97029702	2902	9·58304353	22695	10.41695646	5
96	9·55353848	19782	9·97026800	2904	9·58327048	22686	10.41672951	4
97	9·55373631	19772	9·97023895	2905	9·58349735	22677	10.41650264	3
98	9·55393403	19761	9·97020990	2907	9·58372413	22669	10.41627586	2
99	9·55413164	19751	9·97018082	2908	9·58395082	22660	10.41604917	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.55432916	19741	9.97015173	2910	9.58417742	22651	10.41582257	100
1	9.55452657	19730	9.97012263	2911	9.58440393	22642	10.41559606	99
2	9.55472388	19720	9.97009351	2913	9.58463036	22633	10.41536963	98
3	9.55492108	19710	9.97006438	2914	9.58485670	22625	10.41514329	97
4	9.55511818	19699	9.97003523	2916	9.58508295	22616	10.41491704	96
5	9.55531518	19689	9.97000606	2917	9.58530912	22607	10.41469087	95
6	9.55551208	19679	9.96997688	2919	9.58553519	22598	10.41446480	94
7	9.55570887	19669	9.96994769	2921	9.58576118	22590	10.41423881	93
8	9.55590557	19659	9.96991848	2922	9.58598709	22581	10.41401290	92
9	9.55610216	19648	9.96988925	2924	9.58621290	22572	10.41378709	91
10	9.55629865	19638	9.96986001	2925	9.58643863	22564	10.41356136	90
11	9.55649503	19628	9.96983075	2927	9.58666427	22555	10.41333572	89
12	9.55669131	19618	9.96980148	2928	9.58688983	22546	10.41311016	88
13	9.55688750	19608	9.96977220	2930	9.58711530	22538	10.41288469	87
14	9.55708358	19597	9.96974289	2931	9.58734068	22529	10.41265931	86
15	9.55727956	19587	9.96971358	2933	9.58756597	22520	10.41243402	85
16	9.55747543	19577	9.96968425	2934	9.58779118	22512	10.41220881	84
17	9.55767121	19567	9.96965490	2936	9.58801630	22503	10.41198369	83
18	9.55786688	19557	9.96962554	2937	9.58824134	22495	10.41175865	82
19	9.55806245	19547	9.96959616	2939	9.58846629	22486	10.41153370	81
20	9.55825793	19537	9.96956677	2940	9.58869115	22477	10.41130884	80
21	9.55845330	19526	9.96953736	2942	9.58891593	22469	10.41108406	79
22	9.55864856	19516	9.96950794	2943	9.58914062	22460	10.41085937	78
23	9.55884373	19506	9.96947850	2945	9.58936523	22452	10.41063476	77
24	9.55903880	19496	9.96944904	2946	9.58958975	22443	10.41041024	76
25	9.55923377	19486	9.96941957	2948	9.58981419	22434	10.41018580	75
26	9.55942863	19476	9.96939009	2949	9.59003854	22426	10.40996145	74
27	9.55962340	19466	9.96936059	2951	9.59026280	22417	10.40973719	73
28	9.55981806	19456	9.96933108	2952	9.59048698	22409	10.40951301	72
29	9.56001263	19446	9.96930155	2954	9.59071107	22400	10.40928892	71
30	9.56020709	19436	9.96927200	2956	9.59093508	22392	10.40906491	70
31	9.56040145	19426	9.96924244	2957	9.59115901	22383	10.40884098	69
32	9.56059572	19416	9.96921287	2959	9.59138285	22375	10.40861714	68
33	9.56078988	19406	9.96918327	2960	9.59160660	22366	10.40839339	67
34	9.56098394	19396	9.96915367	2962	9.59183027	22358	10.40816972	66
35	9.56117791	19386	9.96912405	2963	9.59205385	22350	10.40794614	65
36	9.56137177	19376	9.96909441	2965	9.59227735	22341	10.40772264	64
37	9.56156553	19366	9.96906476	2966	9.59250077	22333	10.40749922	63
38	9.56175920	19356	9.96903509	2968	9.59272410	22324	10.40727589	62
39	9.56195277	19346	9.96900541	2969	9.59294735	22316	10.40705264	61
40	9.56214623	19336	9.96897571	2971	9.59317051	22307	10.40682948	60
41	9.56233959	19326	9.96894600	2972	9.59339359	22299	10.40660640	59
42	9.56253286	19316	9.96891627	2974	9.59361658	22291	10.40638341	58
43	9.56272603	19306	9.96888653	2975	9.59383949	22282	10.40616050	57
44	9.56291909	19296	9.96885677	2977	9.59406232	22274	10.40593767	56
45	9.56311206	19287	9.96882700	2978	9.59428506	22265	10.40571493	55
46	9.56330493	19277	9.96879721	2980	9.59450772	22257	10.40549227	54
47	9.56349771	19267	9.96876740	2981	9.59473030	22249	10.40526969	53
48	9.56369038	19257	9.96873758	2983	9.59495279	22240	10.40504720	52
49	9.56388295	19247	9.96870775	2985	9.59517520	22232	10.40482479	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.56407543	19237	9.96867790	2986	9.59539753	22224	10.40460246	50
51	9.56426780	19227	9.96864803	2988	9.59561977	22215	10.40438022	49
52	9.56446008	19218	9.96861815	2989	9.59584193	22207	10.40415806	48
53	9.56465226	19208	9.96858825	2991	9.59606400	22199	10.40393599	47
54	9.56484435	19198	9.96855834	2992	9.59628600	22191	10.40371399	46
55	9.56503633	19188	9.96852842	2994	9.59650791	22182	10.40349208	45
56	9.56522822	19178	9.96849847	2995	9.59672974	22174	10.40327025	44
57	9.56542000	19168	9.96846852	2997	9.59695148	22166	10.40304851	43
58	9.56561169	19159	9.96843854	2998	9.59717314	22158	10.40282685	42
59	9.56580328	19149	9.96840856	3000	9.59739472	22149	10.40260527	41
60	9.56599478	19139	9.96837855	3001	9.59761622	22141	10.40238377	40
61	9.56618618	19129	9.96834854	3003	9.59783764	22133	10.40216235	39
62	9.56637748	19120	9.96831850	3004	9.59805897	22125	10.40194102	38
63	9.56656868	19110	9.96828845	3006	9.59828022	22116	10.40171977	37
64	9.56675978	19100	9.96825839	3007	9.59850139	22108	10.40149860	36
65	9.56695079	19091	9.96822831	3009	9.59872248	22100	10.40127751	35
66	9.56714170	19081	9.96819821	3011	9.59894348	22092	10.40105651	34
67	9.56733251	19071	9.96816810	3012	9.59916440	22084	10.40083559	33
68	9.56752323	19061	9.96813798	3014	9.59938525	22075	10.40061474	32
69	9.56771385	19052	9.96810784	3015	9.59960601	22067	10.40039398	31
70	9.56790437	19042	9.96807768	3017	9.59982668	22059	10.40017331	30
71	9.56809479	19032	9.96804751	3018	9.60004728	22051	10.39995271	29
72	9.56828512	19023	9.96801732	3020	9.60026780	22043	10.39973219	28
73	9.56847535	19013	9.96798712	3021	9.60048823	22035	10.39951176	27
74	9.56866549	19003	9.96795690	3023	9.60070858	22027	10.39929141	26
75	9.56885553	18994	9.96792667	3024	9.60092886	22019	10.39907113	25
76	9.56904547	18984	9.96789642	3026	9.60114905	22011	10.39885094	24
77	9.56923532	18975	9.96786616	3027	9.60136916	22002	10.39863083	23
78	9.56942507	18965	9.96783588	3029	9.60158919	21994	10.39841080	22
79	9.56961472	18955	9.96780558	3030	9.60180913	21986	10.39819086	21
80	9.56980428	18946	9.96777527	3032	9.60202900	21978	10.39797099	20
81	9.56999374	18936	9.96774495	3034	9.60224879	21970	10.39775120	19
82	9.57018311	18927	9.96771461	3035	9.60246850	21962	10.39753149	18
83	9.57037238	18917	9.96768425	3037	9.60268812	21954	10.39731187	17
84	9.57056156	18907	9.96765388	3038	9.60290767	21946	10.39709232	16
85	9.57075064	18898	9.96762350	3040	9.60312714	21938	10.39687286	15
86	9.57093962	18888	9.96759309	3041	9.60334652	21930	10.39665347	14
87	9.57112851	18879	9.96756268	3043	9.60356583	21922	10.39643416	13
88	9.57131730	18869	9.96753224	3044	9.60378505	21914	10.39621494	12
89	9.57150600	18860	9.96750180	3046	9.60400420	21906	10.39599579	11
90	9.57169460	18850	9.96747133	3047	9.60422326	21898	10.39577673	10
91	9.57188311	18841	9.96744085	3049	9.60444225	21890	10.39555774	9
92	9.57207152	18831	9.96741036	3050	9.60466116	21882	10.39533883	8
93	9.57225984	18822	9.96737985	3052	9.60487998	21874	10.39512001	7
94	9.57244806	18812	9.96734933	3054	9.60509873	21866	10.39490126	6
95	9.57263619	18803	9.96731879	3055	9.60531740	21858	10.39468259	5
96	9.57282422	18793	9.96728823	3057	9.60553599	21850	10.39446400	4
97	9.57301216	18784	9.96725766	3058	9.60575450	21843	10.39424549	3
98	9.57320001	18774	9.96722707	3060	9.60597293	21835	10.39402706	2
99	9.57338776	18765	9.96719647	3061	9.60619128	21827	10.39380871	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.57357541	18756	9.96716586	3063	9.60640955	21819	10.39359044	100
1	9.57376297	18746	9.96713522	3064	9.60662775	21811	10.39337224	99
2	9.57395044	18737	9.96710458	3066	9.60684586	21803	10.39315413	98
3	9.57413781	18727	9.96707391	3067	9.60706390	21795	10.39293609	97
4	9.57432509	18718	9.96704323	3069	9.60728185	21787	10.39271814	96
5	9.57451228	18709	9.96701254	3070	9.60749973	21780	10.39250026	95
6	9.57469937	18699	9.96698183	3072	9.60771753	21772	10.39228246	94
7	9.57488637	18690	9.96695111	3074	9.60793525	21764	10.39206474	93
8	9.57507327	18680	9.96692037	3075	9.60815290	21756	10.39184709	92
9	9.57526008	18671	9.96688961	3077	9.60837046	21748	10.39162953	91
10	9.57544680	18662	9.96685884	3078	9.60858795	21740	10.39141204	90
11	9.57563342	18652	9.96682805	3080	9.60880536	21733	10.39119463	89
12	9.57581995	18643	9.96679725	3081	9.60902269	21725	10.39097730	88
13	9.57600638	18634	9.96676643	3083	9.60923995	21717	10.39076004	87
14	9.57619272	18624	9.96673560	3084	9.60945712	21709	10.39054287	86
15	9.57637898	18615	9.96670475	3086	9.60967422	21702	10.39032577	85
16	9.57656513	18606	9.96667389	3087	9.60989124	21694	10.39010875	84
17	9.57675120	18597	9.96664301	3089	9.61010818	21686	10.38989181	83
18	9.57693717	18587	9.96661212	3090	9.61032505	21678	10.38967494	82
19	9.57712305	18578	9.96658121	3092	9.61054183	21671	10.38945816	81
20	9.57730883	18569	9.96655028	3094	9.61075855	21663	10.38924144	80
21	9.57749452	18560	9.96651934	3095	9.61097518	21655	10.38902481	79
22	9.57768012	18550	9.96648839	3097	9.61119173	21647	10.38880826	78
23	9.57786563	18541	9.96645741	3098	9.61140821	21640	10.38859178	77
24	9.57805105	18532	9.96642643	3100	9.61162462	21632	10.38837537	76
25	9.57823637	18523	9.96639542	3101	9.61184094	21624	10.38815905	75
26	9.57842160	18513	9.96636441	3103	9.61205719	21617	10.38794280	74
27	9.57860674	18504	9.96633337	3104	9.61227336	21609	10.38772663	73
28	9.57879179	18495	9.96630232	3106	9.61248946	21601	10.38751053	72
29	9.57897674	18486	9.96627126	3107	9.61270547	21594	10.38729452	71
30	9.57916160	18477	9.96624018	3109	9.61292142	21586	10.38707857	70
31	9.57934637	18467	9.96620909	3111	9.61313728	21578	10.38686271	69
32	9.57953105	18458	9.96617798	3112	9.61335307	21571	10.38664692	68
33	9.57971564	18449	9.96614685	3114	9.61356878	21563	10.38643121	67
34	9.57990013	18440	9.96611571	3115	9.61378442	21556	10.38621557	66
35	9.58008454	18431	9.96608455	3117	9.61399998	21548	10.38600001	65
36	9.58026885	18422	9.96605338	3118	9.61421546	21540	10.38578453	64
37	9.58045307	18412	9.96602219	3120	9.61443087	21533	10.38556912	63
38	9.58063720	18403	9.96599099	3121	9.61464621	21525	10.38535378	62
39	9.58082124	18394	9.96595977	3123	9.61486146	21518	10.38513853	61
40	9.58100518	18385	9.96592853	3124	9.61507664	21510	10.38492335	60
41	9.58118904	18376	9.96589729	3126	9.61529175	21503	10.38470824	59
42	9.58137280	18367	9.96586602	3128	9.61550678	21495	10.38449321	58
43	9.58155648	18358	9.96583474	3129	9.61572173	21487	10.38427826	57
44	9.58174006	18349	9.96580344	3131	9.61593661	21480	10.38406338	56
45	9.58192355	18340	9.96577213	3132	9.61615142	21472	10.38384857	55
46	9.58210696	18331	9.96574080	3134	9.61636615	21465	10.38363384	54
47	9.58229027	18322	9.96570946	3135	9.61658080	21457	10.38341919	53
48	9.58247349	18312	9.96567810	3137	9.61679538	21450	10.38320461	52
49	9.58265662	18303	9.96564673	3138	9.61700988	21442	10.38299011	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.58283966	18294	9.96561534	3140	9.61722431	21435	10.38277568	50
51	9.58302260	18285	9.96558394	3142	9.61743866	21427	10.38256133	49
52	9.58320546	18276	9.96555252	3143	9.61765294	21420	10.38234705	48
53	9.58338823	18267	9.96552108	3145	9.61786715	21412	10.38213284	47
54	9.58357091	18258	9.96548963	3146	9.61808128	21405	10.38191871	46
55	9.58375350	18249	9.96545816	3148	9.61829533	21398	10.38170466	45
56	9.58393600	18240	9.96542668	3149	9.61850931	21390	10.38149068	44
57	9.58411841	18231	9.96539518	3151	9.61872322	21383	10.38127677	43
58	9.58430073	18222	9.96536367	3152	9.61893705	21375	10.38106294	42
59	9.58448295	18213	9.96533214	3154	9.61915081	21368	10.38084918	41
60	9.58466509	18201	9.96530060	3155	9.61936449	21360	10.38063550	40
61	9.58484714	18196	9.96526904	3157	9.61957810	21353	10.38042189	39
62	9.58502910	18187	9.96523746	3159	9.61979164	21346	10.38020835	38
63	9.58521097	18178	9.96520587	3160	9.62000510	21338	10.37999489	37
64	9.58539276	18169	9.96517427	3162	9.62021849	21331	10.37978150	36
65	9.58557445	18160	9.96514264	3163	9.62043180	21324	10.37956819	35
66	9.58575605	18151	9.96511101	3165	9.62064504	21316	10.37935495	34
67	9.58593757	18142	9.96507935	3166	9.62085821	21309	10.37914178	33
68	9.58611899	18133	9.96504768	3168	9.62107130	21301	10.37892869	32
69	9.58630033	18124	9.96501600	3169	9.62128432	21294	10.37871567	31
70	9.58648157	18115	9.96498430	3171	9.62149727	21287	10.37850272	30
71	9.58666273	18106	9.96495259	3173	9.62171014	21280	10.37828985	29
72	9.58684380	18098	9.96492086	3174	9.62192294	21272	10.37807705	28
73	9.58702478	18089	9.96488911	3176	9.62213567	21265	10.37786432	27
74	9.58720567	18080	9.96485735	3177	9.62234832	21258	10.37765167	26
75	9.58738648	18071	9.96482557	3179	9.62256090	21250	10.37743909	25
76	9.58756719	18062	9.96479378	3180	9.62277341	21243	10.37722658	24
77	9.58774782	18053	9.96476197	3182	9.62298585	21236	10.37701414	23
78	9.58792836	18045	9.96473015	3183	9.62319821	21228	10.37680178	22
79	9.58810881	18036	9.96469831	3185	9.62341050	21221	10.37658949	21
80	9.58828917	18027	9.96466645	3187	9.62362271	21214	10.37637728	20
81	9.58846944	18018	9.96463458	3188	9.62383486	21207	10.37616513	19
82	9.58864963	18009	9.96460269	3190	9.62404693	21199	10.37595306	18
83	9.58882973	18001	9.96457079	3191	9.62425893	21192	10.37574106	17
84	9.58900974	17992	9.96453887	3193	9.62447086	21185	10.37552913	16
85	9.58918966	17983	9.96450694	3194	9.62468271	21178	10.37531728	15
86	9.58936949	17974	9.96447499	3196	9.62489450	21171	10.37510549	14
87	9.58954924	17965	9.96444303	3197	9.62510621	21163	10.37489378	13
88	9.58972890	17957	9.96441105	3199	9.62531785	21156	10.37468214	12
89	9.58990847	17948	9.96437905	3201	9.62552941	21149	10.37447058	11
90	9.59008796	17939	9.96434704	3202	9.62574091	21142	10.37425908	10
91	9.59026735	17930	9.96431502	3204	9.62595233	21135	10.37404766	9
92	9.59044666	17922	9.96428298	3205	9.62616368	21128	10.37383631	8
93	9.59062589	17913	9.96425092	3207	9.62637496	21120	10.37362503	7
94	9.59080502	17904	9.96421884	3208	9.62658617	21113	10.37341382	6
95	9.59098407	17896	9.96418676	3210	9.62679731	21106	10.37320268	5
96	9.59116303	17887	9.96415465	3212	9.62700837	21099	10.37299162	4
97	9.59134190	17878	9.96412253	3213	9.62721937	21092	10.37278062	3
98	9.59152069	17870	9.96409040	3215	9.62743029	21085	10.37256970	2
99	9.59169939	17861	9.96405824	3216	9.62764114	21078	10.37235885	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.59187801	17852	9.96402608	3218	9.62785192	21070	10.37214807	100
1	9.59205653	17844	9.96399390	3219	9.62806263	21063	10.37193736	99
2	9.59223497	17835	9.96396170	3221	9.62827327	21056	10.37172672	98
3	9.59241333	17826	9.96392948	3222	9.62848384	21049	10.37151615	97
4	9.59259160	17818	9.96389725	3224	9.62869434	21042	10.37130565	96
5	9.59276978	17809	9.96386501	3226	9.62890476	21035	10.37109523	95
6	9.59294787	17800	9.96383275	3227	9.62911512	21028	10.37088487	94
7	9.59312588	17792	9.96380047	3229	9.62932540	21021	10.37067459	93
8	9.59330380	17783	9.96376818	3230	9.62953562	21014	10.37046437	92
9	9.59348164	17775	9.96373587	3232	9.62974576	21007	10.37025423	91
10	9.59365939	17766	9.96370355	3233	9.62995584	21000	10.37004415	90
11	9.59383706	17757	9.96367121	3235	9.63016584	20993	10.36983415	89
12	9.59401463	17749	9.96363886	3236	9.63037577	20986	10.36962422	88
13	9.59419213	17740	9.96360649	3238	9.63058563	20979	10.36941436	87
14	9.59436953	17732	9.96357410	3240	9.63079543	20972	10.36920456	86
15	9.59454686	17723	9.96354170	3241	9.63100515	20965	10.36899484	85
16	9.59472409	17715	9.96350928	3243	9.63121480	20958	10.36878519	84
17	9.59490124	17706	9.96347685	3244	9.63142439	20951	10.36857560	83
18	9.59507831	17697	9.96344440	3245	9.63163390	20944	10.36836609	82
19	9.59525529	17689	9.96341194	3247	9.63184334	20937	10.36815665	81
20	9.59543218	17680	9.96337946	3249	9.63205272	20930	10.36794727	80
21	9.59560899	17672	9.96334696	3251	9.63226202	20923	10.36773797	79
22	9.59578571	17663	9.96331445	3252	9.63247126	20916	10.36752873	78
23	9.59596235	17655	9.96328193	3254	9.63268042	20909	10.36731957	77
24	9.59613891	17646	9.96324938	3255	9.63288952	20902	10.36711047	76
25	9.59631537	17638	9.96321683	3257	9.63309454	20895	10.36690145	75
26	9.59649176	17629	9.96318425	3258	9.63330750	20888	10.36669249	74
27	9.59666806	17621	9.96315166	3260	9.63351639	20881	10.36648360	73
28	9.59684427	17612	9.96311906	3262	9.63372521	20875	10.36627478	72
29	9.59702040	17604	9.96308644	3263	9.63393396	20868	10.36606603	71
30	9.59719645	17596	9.96305380	3265	9.63414264	20861	10.36585735	70
31	9.59737241	17587	9.96302115	3266	9.63435125	20854	10.36564874	69
32	9.59754828	17579	9.96298848	3268	9.63455979	20847	10.36544020	68
33	9.59772407	17570	9.96295580	3269	9.63476827	20840	10.36523172	67
34	9.59789978	17562	9.96292310	3271	9.63497667	20833	10.36502332	66
35	9.59807540	17553	9.96289039	3273	9.63518501	20826	10.36481498	65
36	9.59825094	17545	9.96285766	3274	9.63539328	20820	10.36460671	64
37	9.59842640	17537	9.96282491	3276	9.63560148	20813	10.36439851	63
38	9.59860177	17528	9.96279215	3277	9.63580961	20806	10.36419038	62
39	9.59877705	17520	9.96275937	3279	9.63601768	20799	10.36398231	61
40	9.59895226	17511	9.96272658	3280	9.63622567	20792	10.36377432	60
41	9.59912737	17503	9.96269377	3282	9.63643360	20785	10.36356639	59
42	9.59930241	17495	9.96266094	3284	9.63664146	20779	10.36335853	58
43	9.59947736	17486	9.96262810	3285	9.63684925	20772	10.36315074	57
44	9.59965223	17478	9.96259525	3287	9.63705697	20765	10.36294302	56
45	9.59982701	17470	9.96256238	3288	9.63726463	20758	10.36273536	55
46	9.60000171	17461	9.96257949	3290	9.63747222	20751	10.36252777	54
47	9.60017633	17453	9.96249659	3291	9.63767974	20745	10.36232025	53
48	9.60035086	17444	9.96246367	3293	9.63788719	20738	10.36211280	52
49	9.60052531	17436	9.96243073	3295	9.63809457	20731	10.36190542	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.60069968	17428	9.96239778	3296	9.63830189	20724	10.36169810	50
51	9.60087396	17420	9.96236482	3298	9.63850914	20718	10.36149085	49
52	9.60104816	17411	9.96233183	3299	9.63871632	20711	10.36128367	48
53	9.60122228	17403	9.96229884	3301	9.63892344	20704	10.36107655	47
54	9.60139631	17395	9.96226582	3302	9.63913048	20698	10.36086951	46
55	9.60157026	17386	9.96223279	3304	9.63933747	20691	10.36066252	45
56	9.60174413	17378	9.96219975	3306	9.63954438	20684	10.36045561	44
57	9.60191792	17370	9.96216669	3307	9.63975122	20677	10.36024877	43
58	9.60209162	17362	9.96213361	3309	9.63995800	20671	10.36004199	42
59	9.60226524	17353	9.96210052	3310	9.64016472	20664	10.35983527	41
60	9.60243878	17345	9.96206741	3312	9.64037136	20657	10.35962863	40
61	9.60261223	17337	9.96203429	3313	9.64057794	20651	10.35942205	39
62	9.60278561	17329	9.96200115	3315	9.64078445	20644	10.35921554	38
63	9.60295890	17320	9.96196799	3317	9.64099090	20637	10.35900909	37
64	9.60313210	17312	9.96193482	3318	9.64119728	20631	10.35880271	36
65	9.60330523	17304	9.96190164	3320	9.64140359	20624	10.35859640	35
66	9.60347827	17296	9.96186843	3321	9.64160983	20617	10.35839016	34
67	9.60365123	17287	9.96183522	3323	9.64181601	20611	10.35818398	33
68	9.60382411	17279	9.96180198	3324	9.64202213	20604	10.35797786	32
69	9.60399691	17271	9.96176873	3326	9.64222817	20598	10.35777182	31
70	9.60416963	17263	9.96173547	3328	9.64243415	20591	10.35756584	30
71	9.60434226	17255	9.96170219	3329	9.64264007	20584	10.35735992	29
72	9.60451481	17246	9.96166889	3331	9.64284592	20578	10.35715407	28
73	9.60468728	17238	9.96163558	3332	9.64305170	20571	10.35694829	27
74	9.60485967	17230	9.96160225	3334	9.64325742	20565	10.35674258	26
75	9.60503197	17222	9.96156890	3336	9.64346307	20558	10.35653692	25
76	9.60520420	17214	9.96153554	3337	9.64366865	20551	10.35633134	24
77	9.60537634	17206	9.96150217	3339	9.64387417	20545	10.35612582	23
78	9.60554840	17198	9.96146878	3340	9.64407962	20538	10.35592037	22
79	9.60572039	17189	9.96143537	3342	9.64428501	20532	10.35571498	21
80	9.60589228	17181	9.96140195	3343	9.64449033	20525	10.35550966	20
81	9.60606410	17173	9.96136851	3345	9.64469559	20519	10.35530440	19
82	9.60623584	17165	9.96133505	3347	9.64490078	20512	10.35509921	18
83	9.60640750	17157	9.96130158	3348	9.64510591	20506	10.35489408	17
84	9.60657007	17149	9.96126809	3350	9.64531097	20499	10.35468902	16
85	9.60675056	17141	9.96123459	3351	9.64551597	20493	10.35448402	15
86	9.60692198	17133	9.96120107	3353	9.64572090	20486	10.35427909	14
87	9.60709331	17125	9.96116754	3354	9.64592576	20480	10.35407423	13
88	9.60726456	17117	9.96113399	3356	9.64613056	20473	10 35386943	12
89	9.60743573	17108	9.96110042	3358	9.64633530	20467	10.35366469	11
90	9.60760682	17100	9.96106684	3359	9.64653997	20460	10.35346002	10
91	9.60777783	17092	9.96103325	3361	9.64674458	20454	10.35325541	9
92	9.60794876	17084	9.96099963	3362	9.64694912	20447	10.35305087	8
93	9.60811961	17076	9.96096600	3364	9.64715360	20441	10.35284639	7
94	9.60829037	17068	9.96093236	3366	9.64735801	20434	10.35264198	6
95	9.60846106	17060	9.96089870	3367	9.64756236	20428	10.35243763	5
96	9.60863167	17052	9.96086502	3369	9.64776664	20421	10.35223335	4
97	9.60880219	17044	9.96083133	3370	9.64797086	20415	10.35202913	3
98	9.60897264	17036	9.96079762	3372	9.64817502	20409	10.35182497	2
99	9.60914301	17028	9.96076390	3373	9.64837911	20402	10.35162088	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.60931329	17020	9.96073016	3375	9.64858313	20396	10.35141686	100
1	9.60948350	17012	9.96069640	3377	9.64878709	20389	10.35121290	99
2	9.60965363	17004	9.96066263	3378	9.64899099	20383	10.35100900	98
3	9.60982368	16996	9.96062884	3380	9.64919483	20377	10.35080516	97
4	9.60999364	16988	9.96059504	3381	9.64939860	20370	10.35060129	96
5	9.61016353	16980	9.96056122	3383	9.64960230	20364	10.35039769	95
6	9.61033334	16972	9.96052739	3385	9.64980595	20357	10.35019404	94
7	9.61050307	16964	9.96049353	3386	9.65000953	20351	10.34999046	93
8	9.61067271	16956	9.96045967	3388	9.65021304	20345	10.34978695	92
9	9.61084228	16948	9.96042579	3389	9.65041649	20338	10.34958350	91
10	9.61101177	16941	9.96039189	3391	9.65061988	20332	10.34938011	90
11	9.61118118	16933	9.96035797	3393	9.65082321	20326	10.34917678	89
12	9.61135051	16925	9.96032404	3394	9.65102647	20319	10.34897352	88
13	9.61151977	16917	9.96029010	3396	9.65122967	20313	10.34877032	87
14	9.61168894	16909	9.96025613	3397	9.65143280	20307	10.34856719	86
15	9.61185803	16901	9.96022216	3399	9.65163587	20300	10.34836412	85
16	9.61202705	16893	9.96018816	3400	9.65183888	20294	10.34816111	84
17	9.61219598	16885	9.96015415	3402	9.55204183	20288	10.34795816	83
18	9.61236484	16877	9.96012013	3404	9.65224471	20281	10.34775528	82
19	9.61253362	16869	9.96008609	3405	9.65244753	20275	10.34755246	81
20	9.61270232	16862	9.96005203	3407	9.65265028	20269	10.34734971	80
21	9.61287094	16854	9.96001796	3408	9.65285298	20263	10.34714701	79
22	9.61303948	16846	9.95998387	3410	9.65305561	20256	10.34694438	78
23	9.61320794	16838	9.95994976	3412	9.65325818	20250	10.34674181	77
24	9.61337633	16830	9.95991564	3413	9.65346068	20244	10.34653931	76
25	9.61354463	16822	9.95988150	3415	9.65366312	20238	10.34633687	75
26	9.61371286	16814	9.95984735	3416	9.65386550	20231	10.34613449	74
27	9.61388101	16807	9.95981318	3418	9.65406782	20225	10.34593217	73
28	9.61404908	16799	9.95977900	3420	9.65427008	20219	10.34572991	72
29	9.61421707	16791	9.95974480	3421	9.65447227	20213	10.34552772	71
30	9.61438499	16783	9.95971058	3423	9.65467440	20206	10.34532559	70
31	9.61455282	16775	9.95967635	3424	9.65487647	20200	10.34512352	69
32	9.61472058	16768	9.95964210	3426	9.55507848	20194	10.34492151	68
33	9.61488826	16760	9.95960784	3428	9.65528042	20188	10.34471957	67
34	9.61505587	16752	9.95957356	3429	9.65548231	20182	10.34451768	66
35	9.61522339	16744	9.95953926	3431	9.65568413	20175	10.34431586	65
36	9.61539084	16736	9.95950495	3432	9.65588588	20169	10.34411411	64
37	9.61555821	16729	9.95947062	3434	9.65608758	20163	10.34391241	63
38	9.61572550	16721	9.95943628	3435	9.65528922	20157	10.34371077	62
39	9.61589271	16713	9.95940192	3437	9.65649079	20151	10.34350920	61
40	9.61605985	16705	9.95936754	3439	9.65669230	20145	10.34330769	60
41	9.61622691	16698	9.95933315	3440	9.65689375	20138	10.34310624	59
42	9.61639389	16690	9.95929874	3442	9.65709514	20132	10.34290485	58
43	9.61656079	16682	9.95926432	3443	9.65729647	20126	10.34270352	57
44	9.61672762	16674	9.95922988	3445	9.65749773	20120	10.34250226	56
45	9.61689437	16667	9.95919542	3447	9.65769894	20114	10.34230105	55
46	9.61706104	16659	9.95916095	3448	9.65790008	20108	10.34209991	54
47	9.61722763	16651	9.95912646	3450	9.65810117	20102	10.34189882	53
48	9.61739415	16644	9.95909196	3451	9.65830219	20096	10.34169780	52
49	9.61756059	16636	9.95905744	3453	9.65850315	20089	10.34149684	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.61772695	16628	9.95902290	3455	9.65870405	20083	10.34129594	50
51	9.61789324	16620	9.95898835	3456	9.65890488	20077	10.34109511	49
52	9.61805945	16613	9.95895378	3458	9.65910566	20071	10.34089433	48
53	9.61822558	16605	9.95891920	3459	9.65930638	20065	10.34069361	47
54	9.61839164	16597	9.95888460	3461	9.65950703	20059	10.34049296	46
55	9.61855762	16590	9.95884999	3463	9.65970763	20053	10.34029236	45
56	9.61872352	16582	9.95881536	3464	9.65990816	20047	10.34009183	44
57	9.61888935	16574	9.95878071	3466	9.66010863	20041	10.33989136	43
58	9.61905510	16567	9.95874604	3467	9.66030905	20035	10.33969094	42
59	9.61922077	16559	9.95871137	3469	9.66050940	20029	10.33949059	41
60	9.61938637	16552	9.95867667	3471	9.66070969	20023	10.33929030	40
61	9.61955189	16544	9.95864196	3472	9.66090992	20017	10.33909007	39
62	9.61971733	16536	9.95860723	3474	9.66111010	20011	10.33888989	38
63	9.61988270	16529	9.95857249	3475	9.66131021	20005	10.33868978	37
64	9.62004799	16521	9.95853773	3477	9.66151026	19999	10.33848973	36
65	9.62021321	16513	9.95850295	3479	9.66171025	19993	10.33828974	35
66	9.62037835	16506	9.95846816	3480	9.66191018	19987	10.33808981	34
67	9.62054341	16498	9.95843335	3482	9.66211005	19981	10.33788994	33
68	9.62070840	16491	9.95839853	3483	9.66230986	19975	10.33769013	32
69	9.62087331	16483	9.95836369	3485	9.66250961	19969	10.33749038	31
70	9.62103815	16476	9.95832884	3487	9.66270931	19963	10.33729068	30
71	9.62120291	16468	9.95829396	3488	9.66290894	19957	10.33709105	29
72	9.62136759	16460	9.95825908	3490	9.66310851	19951	10.33689148	28
73	9.62153220	16453	9.95822417	3491	9.66330802	19945	10.33669197	27
74	9.62169673	16445	9.95818925	3493	9.66350748	19939	10.33649251	26
75	9.62186119	16438	9.95815432	3495	9.66370687	19933	10.33629312	25
76	9.62202557	16430	9.95811937	3496	9.66390620	19927	10.33609379	24
77	9.62218988	16423	9.95808440	3498	9.66410548	19921	10.33589451	23
78	9.62235411	16415	9.95804941	3499	9.66430469	19915	10.33569530	22
79	9.62251827	16408	9.95801441	3501	9.66450385	19909	10.33549614	21
80	9.62268235	16400	9.95797940	3503	9.66470295	19903	10.33529704	20
81	9.62284636	16393	9.95794437	3504	9.66490198	19897	10.33509801	19
82	9.62301029	16385	9.95790932	3506	9.66510096	19891	10.33489903	18
83	9.62317414	16378	9.95787425	3508	9.66529988	19886	10.33470011	17
84	9.62333792	16370	9.95783917	3509	9.66549874	19880	10.33450125	16
85	9.62350163	16363	9.95780408	3511	9.66569754	19874	10.33430245	15
86	9.62366526	16355	9.95776897	3512	9.66589629	19868	10.33410370	14
87	9.62382881	16348	9.95773384	3514	9.66609497	19862	10.33390502	13
88	9.62399230	16340	9.95769869	3516	9.66629360	19856	10 33370639	12
89	9.62415570	16333	9.95766353	3517	9.66649216	19850	10.33350783	11
90	9.62431903	16325	9.95762836	3519	9.66669067	19844	10.33330932	10
91	9.62448229	16318	9.95759316	3520	9.66688912	19839	10.33311087	9
92	9.62464547	16310	9.95755796	3522	9.66708751	19833	10.33291248	8
93	9.62480858	16303	9.95752273	3524	9.66728585	19827	10.33271414	7
94	9.62497161	16295	9.95748749	3525	9.66748412	19821	10.33251587	6
95	9.62513457	16288	9.95745223	3527	9.66768234	19815	10.33231765	5
96	9.62529746	16281	9.95741696	3528	9.66788049	19809	10.33211950	4
97	9.62546027	16273	9.95738167	3530	9.66807859	19804	10.33192140	3
98	9.62562300	16266	9.95734637	3532	9.66827663	19798	10.33172336	2
99	9.62578567	16258	9.95731104	3533	9.66847462	19792	10.33152537	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.62594825	16251	9.95727571	3535	9.66867254	19786	10.33132745	100
1	9.62611077	16243	9.95724035	3536	9.66887041	19780	10.33112958	99
2	9.62627321	16236	9.95720498	3538	9.66906822	19775	10.33093177	98
3	9.62643557	16229	9.95716960	3540	9.66926597	19769	10.33073402	97
4	9.62659787	16221	9.95713420	3541	9.66946367	19763	10.33053632	96
5	9.62676008	16214	9.95709878	3543	9.66966130	19757	10.33033869	95
6	9.62692223	16207	9.95706334	3545	9.66985888	19752	10.33014111	94
7	9.62708430	16199	9.95702789	3546	9.67005640	19746	10.32994359	93
8	9.62724630	16192	9.95699243	3548	9.67025386	19740	10.32974613	92
9	9.62740822	16184	9.95695694	3549	9.67045127	19734	10.32954872	91
10	9.62757007	16177	9.95692145	3551	9.67064862	19729	10.32935137	90
11	9.62773184	16170	9.95688593	3553	9.67084591	19723	10.32915408	89
12	9.62789355	16162	9.95685040	3554	9.67104314	19717	10.32895685	88
13	9.62805518	16155	9.95681485	3556	9.67124032	19711	10.32875967	87
14	9.62821673	16148	9.95677929	3557	9.67143744	19706	10.32856255	86
15	9.62837821	16140	9.95674371	3559	9.67163450	19700	10.32836549	85
16	9.62853962	16133	9.95670811	3561	9.67183150	19694	10.32816849	84
17	9.62870096	16126	9.95667250	3562	9.67202845	19689	10.32797154	83
18	9.62886222	16118	9.95663688	3564	9.67222534	19683	10.32777465	82
19	9.62902341	16111	9.95660123	3566	9.67242218	19677	10.32757781	81
20	9.62918453	16104	9.95656557	3567	9.67261895	19672	10.32738104	80
21	9.62934557	16097	9.95652990	3569	9.67281567	19666	10.32718432	79
22	9.62950654	16089	9.95649420	3570	9.67301234	19660	10.32698765	78
23	9.62966744	16082	9.95645849	3572	9.67320894	19655	10.32679105	77
24	9.62982827	16075	9.95642277	3574	9.67340549	19649	10.32659450	76
25	9.62998902	16067	9.95638703	3575	9.67360199	19643	10.32639800	75
26	9.63014970	16060	9.95635127	3577	9.67379842	19638	10.32620157	74
27	9.63031031	16053	9.95631550	3578	9.67399480	19632	10.32600519	73
28	9.63047084	16046	9.95627971	3580	9.67419113	19626	10.32580886	72
29	9.63063130	16038	9.95624390	3582	9.67438740	19621	10.32561259	71
30	9.63079169	16031	9.95620808	3583	9.67458361	19615	10.32541638	70
31	9.63095201	16024	9.95617224	3585	9.67477976	19609	10.32522023	69
32	9.63111226	16017	9.95613639	3587	9.67497586	19604	10.32502413	68
33	9.63127243	16010	9.95610052	3588	9.67517190	19598	10.32482809	67
34	9.63143253	16002	9.95606463	3590	9.67536789	19593	10.32463210	66
35	9.63159256	15995	9.95602873	3591	9.67556382	19587	10.32443617	65
36	9.63175251	15988	9.95599281	3593	9.67575970	19581	10.32424029	64
37	9.63191240	15981	9.95595688	3595	9.67595552	19576	10.32404447	63
38	9.63207221	15973	9.95592092	3596	9.67615128	19570	10.32384871	62
39	9.63223195	15966	9.95588496	3598	9.67634699	19565	10.32365300	61
40	9.63239162	15959	9.95584897	3599	9.67654264	19559	10.32345735	60
41	9.63255121	15952	9.95581297	3601	9.67673823	19554	10.32326176	59
42	9.63271073	15945	9.95577696	3603	9.67693377	19548	10.32306622	58
43	9.63287019	15938	9.95574092	3604	9.67712926	19542	10.32287073	57
44	9.63302957	15930	9.95570488	3606	9.67732469	19537	10.32267530	56
45	9.63318888	15923	9.95566881	3608	9.67752006	19531	10.32247993	55
46	9.63334811	15916	9.95563273	3609	9.67771538	19526	10.32228461	54
47	9.63350728	15909	9.95559663	3611	9.67791064	19520	10.32208935	53
48	9.63366637	15902	9.95556052	3612	9.67810585	19515	10.32189414	52
49	9.63382539	15895	9.95552439	3614	9.67830100	19509	10.32169899	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.63398435	15887	9.95548824	3616	9.67849610	19504	10.32150389	50
51	9.63414322	15880	9.95545208	3617	9.67869114	19498	10.32130885	49
52	9.63430203	15873	9.95541590	3619	9.67888613	19493	10.32111386	48
53	9.63446077	15866	9.95537971	3621	9.67908106	19487	10.32091893	47
54	9.63461944	15859	9.95534350	3622	9.67927593	19482	10.32072406	46
55	9.63477803	15852	9.95530727	3624	9.67947076	19476	10.32052923	45
56	9.63493655	15845	9.95527103	3625	9.67966552	19471	10.32033447	44
57	9.63509501	15838	9.95523477	3627	9.67986023	19465	10.32013976	43
58	9.63525339	15831	9.95519849	3629	9.68005489	19460	10.31994510	42
59	9.63541170	15823	9.95516220	3630	9.68024949	19454	10.31975050	41
60	9.63556994	15816	9.95512589	3632	9.68044404	19449	10.31955595	40
61	9.63572811	15809	9.95508957	3634	9.68063854	19443	10.31936145	39
62	9.63588620	15802	9.95505322	3635	9.68083297	19438	10.31916702	38
63	9.63604423	15795	9.95501687	3637	9.68102736	19433	10.31897263	37
64	9.63620219	15788	9.95498049	3638	9.68122169	19427	10.31877830	36
65	9.63636007	15781	9.95494410	3640	9.68141596	19422	10.31858403	35
66	9.63651789	15774	9.95490770	3642	9.68161019	19416	10.31838980	34
67	9.63667563	15767	9.95487127	3643	9.68180435	19411	10.31819564	33
68	9.63683331	15760	9.95483484	3645	9.68199847	19405	10.31800152	32
69	9.63699091	15753	9.95479838	3647	9.68219252	19400	10.31780747	31
70	9.63714844	15746	9.95476191	3648	9.68238653	19395	10.31761346	30
71	9.63730591	15739	9.95472542	3650	9.68258048	19389	10.31741951	29
72	9.63746330	15732	9.95468892	3652	9.68277438	19384	10.31722561	28
73	9.63762062	15725	9.95465240	3653	9.68296822	19378	10.31703177	27
74	9.63777787	15718	9.95461586	3655	9.68316201	19373	10.31683798	26
75	9.63793506	15711	9.95457931	3656	9.68335574	19368	10.31664425	25
76	9.63809217	15704	9.95454274	3658	9.68354942	19362	10.31645057	24
77	9.63824921	15697	9.95450615	3660	9.68374305	19357	10.31625694	23
78	9.63840618	15690	9.95446955	3661	9.68393662	19352	10.31606337	22
79	9.63856308	15683	9.95443293	3663	9.68413014	19346	10.31586985	21
80	9.63871992	15676	9.95439630	3665	9.68432361	19341	10.31567638	20
81	9.63887668	15669	9.95435965	3666	9.68451702	19335	10.31548297	19
82	9.63903337	15662	9.95432298	3668	9.68471038	19330	10.31528961	18
83	9.63918999	15655	9.95428630	3669	9.68490369	19325	10.31509630	17
84	9.63934655	15648	9.95424960	3671	9.68509694	19319	10.31490305	16
85	9.63950303	15641	9.95421288	3673	9.68529014	19314	10.31470985	15
86	9.63965944	15634	9.95417615	3674	9.68548329	19309	10.31451670	14
87	9.63981579	15627	9.95413940	3676	9.68567638	19303	10.31432361	13
88	9.63997206	15620	9.95410264	3678	9.68586942	19298	10 31413057	12
89	9.64012827	15613	9.95406586	3679	9.68606241	19293	10.31393758	11
90	9.64028440	15606	9.95402906	3681	9.68625534	19288	10.31374465	10
91	9.64044047	15599	9.95399224	3683	9.68644822	19282	10.31355177	9
92	9.64059647	15592	9.95395541	3684	9.68664105	19277	10.31335894	8
93	9.64075239	15585	9.95391857	3686	9.68683382	19272	10.31316617	7
94	9.64090825	15578	9.95388170	3687	9.68702654	19266	10.31297345	6
95	9.64106404	15572	9.95384482	3689	9.68721921	19261	10.31278078	5
96	9.64121976	15565	9.95380793	3691	9.68741183	19256	10.31258816	4
97	9.64137542	15558	9.95377102	3692	9.68760439	19251	10.31239560	3
98	9.64153100	15551	9.95373409	3694	9.68779690	19245	10.31220309	2
99	9.64168651	15544	9.95369714	3696	9.68798936	19240	10.31201063	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.64184196	15537	9.95366018	3697	9.68818177	19235	10.31181822	100
1	9.64199733	15530	9.95362320	3699	9.68837412	19230	10.31162587	99
2	9.64215264	15523	9.95358621	3701	9.68856642	19224	10.31143357	98
3	9.64230788	15516	9.95354920	3702	9.68875867	19219	10.31124132	97
4	9.64246305	15510	9.95351217	3704	9.68895087	19214	10.31104912	96
5	9.64261815	15503	9.95347513	3705	9.68914301	19209	10.31085698	95
6	9.64277318	15496	9.95343807	3707	9.68933511	19203	10.31066488	94
7	9.64292815	15489	9.95340099	3709	9.68952715	19198	10.31047284	93
8	9.64308304	15482	9.95336390	3710	9.68971913	19193	10.31028086	92
9	9.64323787	15475	9.95332679	3712	9.68991107	19188	10.31008892	91
10	9.64339263	15469	9.95328967	3714	9.69010295	19183	10.30989704	90
11	9.64354732	15462	9.95325253	3715	9.69029479	19177	10.30970521	89
12	9.64370194	15455	9.95321537	3717	9.69048656	19172	10.30951343	88
13	9.64385649	15448	9.95317819	3719	9.69067829	19167	10.30932170	87
14	9.64401098	15441	9.95314100	3720	9.69086997	19162	10.30913002	86
15	9.64416539	15434	9.95310380	3722	9.69106159	19157	10.30893840	85
16	9.64431974	15428	9.95306657	3724	9.69125317	19152	10.30874682	84
17	9.64447402	15421	9.95302933	3725	9.69144469	19146	10.30855530	83
18	9.64462824	15414	9.95299208	3727	9.69163616	19141	10.30836383	82
19	9.64478238	15407	9.95295480	3728	9.69182758	19136	10.30817241	81
20	9.64493646	15400	9.95291751	3730	9.69201894	19131	10.30798105	80
21	9.64509047	15394	9.95288021	3732	9.69221026	19126	10.30778973	79
22	9.64524441	15387	9.95284289	3733	9.69240152	19121	10.30759847	78
23	9.64539828	15380	9.95280555	3735	9.69259273	19116	10.30740726	77
24	9.64555209	15373	9.95276819	3737	9.69278389	19110	10.30721610	76
25	9.64570583	15367	9.95273082	3738	9.69297500	19105	10.30702499	75
26	9.64585950	15360	9.95269343	3740	9.69316606	19100	10.30683393	74
27	9.64601310	15353	9.95265603	3742	9.69335707	19095	10.30664292	73
28	9.64616664	15346	9.95261861	3743	9.69354803	19090	10.30645196	72
29	9.64632011	15340	9.95258117	3745	9.69373893	19085	10.30626106	71
30	9.64647351	15333	9.95254372	3747	9.69392979	19080	10.30607020	70
31	9.64662684	15326	9.95250624	3748	9.69412059	19075	10.30587940	69
32	9.64677011	15319	9.95246876	3750	9.69431134	19070	10.30568865	68
33	9.64693331	15313	9.95243126	3751	9.69450205	19065	10.30549794	67
34	9.64708644	15306	9.95239374	3753	9.69469270	19060	10.30530729	66
35	9.64723950	15299	9.95235620	3755	9.69488330	19054	10.30511669	65
36	9.64739250	15292	9.95231865	3756	9.69507385	19049	10.30492614	64
37	9.64754543	15286	9.95228108	3758	9.69526435	19044	10.30473564	63
38	9.64769829	15279	9.95224349	3760	9.69545479	19039	10.30454520	62
39	9.64785109	15272	9.95220589	3761	9.69564519	19034	10.30435480	61
40	9.64800382	15266	9.95216827	3763	9.69583554	19029	10.30416445	60
41	9.64815648	15259	9.95213064	3765	9.69602584	19024	10.30397415	59
42	9.64830907	15253	9.95209298	3766	9.69621608	19019	10.30378391	58
43	9.64846160	15246	9.95205532	3768	9.69640628	19014	10.30359371	57
44	9.64861406	15239	9.95201763	3770	9.69659643	19009	10.30340356	56
45	9.64876645	15232	9.95197993	3771	9.69678652	19004	10.30321347	55
46	9.64891879	15226	9.95194221	3773	9.69697657	18999	10.30302342	54
47	9.64907105	15219	9.95190448	3775	9.69716656	18994	10.30283343	53
48	9.64922324	15212	9.95186673	3776	9.69735651	18989	10.30264348	52
49	9.64937537	15206	9.95182896	3778	9.69754640	18984	10.30245359	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.64952743	15199	9.95179118	3780	9.69773625	18979	10.30226374	50
51	9.64967943	15192	9.95175338	3781	9.69792604	18974	10.30207395	49
52	9.64983136	15186	9.95171556	3783	9.69811579	18969	10.30188420	48
53	9.64998322	15179	9.95167773	3784	9.69830549	18964	10.30169450	47
54	9.65013502	15173	9.95163988	3786	9.69849513	18959	10.30150486	46
55	9.65028675	15166	9.95160201	3788	9.69868473	18954	10.30131526	45
56	9.65043841	15159	9.95156413	3789	9.69887427	18949	10.30112572	44
57	9.65059001	15153	9.95152623	3791	9.69906377	18944	10.30093622	43
58	9.65074154	15146	9.95148831	3793	9.69925322	18939	10.30074677	42
59	9.65089300	15139	9.95145038	3794	9.69944262	18934	10.30055737	41
60	9.65104440	15133	9.95141243	3796	9.69963197	18929	10.30036802	40
61	9.65119574	15126	9.95137447	3798	9.69982126	18924	10.30017873	39
62	9.65134701	15120	9.95133649	3799	9.70001051	18920	10.29998948	38
63	9.65149821	15113	9.95129849	3801	9.70019971	18915	10.29980028	37
64	9.65164934	15107	9.95126047	3803	9.70038887	18910	10.29961113	36
65	9.65180041	15100	9.95122244	3804	9.70057797	18905	10.29942202	35
66	9.65195142	15093	9.95118439	3805	9.70076702	18900	10.29923297	34
67	9.65210236	15087	9.95114633	3808	9.70095602	18895	10.29904397	33
68	9.65225323	15080	9.95110825	3809	9.70114498	18890	10.29885501	32
69	9.65240404	15074	9.95107015	3811	9.70133388	18855	10.29866611	31
70	9.65255478	15067	9.95103203	3813	9.70152274	18880	10.29847725	30
71	9.65270545	15061	9.95099390	3814	9.70171155	18875	10.29828844	29
72	9.65285606	15054	9.95095576	3816	9.70190030	18870	10.29809969	28
73	9.65300661	15047	9.95091759	3818	9.70208901	18866	10.29791098	27
74	9.65315709	15041	9.95087941	3819	9.70227767	18861	10.29772232	26
75	9.65330750	15034	9.95084121	3821	9.70246629	18856	10.29753370	25
76	9.65345785	15028	9.95080300	3822	9.70265485	18851	10.29734514	24
77	9.65360814	15021	9.95076477	3824	9.70284336	18846	10.29715663	23
78	9.65375836	15015	9.95072652	3826	9.70303183	18841	10.29696816	22
79	9.65390851	15008	9.95068826	3828	9.70322025	18836	10.29677974	21
80	9.65405860	15002	9.95064998	3829	9.70340862	18832	10.29659137	20
81	9.65420862	14995	9.95061168	3831	9.70359694	18827	10.29640305	19
82	9.65435858	14989	9.95057337	3833	9.70378521	18822	10.29621478	18
83	9.65450847	14982	9.95053504	3834	9.70397343	18817	10.29602656	17
84	9.65465830	14976	9.95049669	3836	9.70416161	18812	10.29583838	16
85	9.65480806	14969	9.95045833	3838	9.70434973	18807	10.29565026	15
86	9.65495776	14963	9.95041995	3839	9.70453781	18803	10.29546218	14
87	9.65510740	14956	9.95038155	3841	9.70472584	18798	10.29527415	13
88	9.65525697	14950	9.95034314	3842	9.70491382	18793	10.29508617	12
89	9.65540647	14943	9.95030471	3844	9.70510176	18788	10.29489823	11
90	9.65555591	14937	9.95026626	3846	9.70528965	18783	10.29471034	10
91	9.65570529	14931	9.95022780	3847	9.70547748	18779	10.29452251	9
92	9.65585460	14924	9.95018932	3849	9.70566527	18774	10.29433472	8
93	9.65600384	14918	9.95015082	3851	9.70585302	18769	10.29414697	7
94	9.65615302	14911	9.95011231	3852	9.70604071	18764	10.29395928	6
95	9.65630214	14905	9.95007378	3854	9.70622836	18759	10.29377163	5
96	9.65645119	14898	9.95003523	3856	9.70641596	18755	10.29358403	4
97	9.65660018	14892	9.94999667	3857	9.70660351	18750	10.29339648	3
98	9.65674910	14885	9.94995809	3859	9.70679101	18745	10.29320898	2
99	9.65689796	14879	9.94991949	3861	9.70697847	18740	10.29302152	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.65704676	14873	9.94988088	3862	9.70716588	18736	10.29283411	100
1	9.65719549	14866	9.94984225	3864	9.70735324	18731	10.29264675	99
2	9.65734416	14860	9.94980360	3866	9.70754055	18726	10.29245944	98
3	9.65749276	14853	9.94976494	3867	9.70772782	18721	10.29227217	97
4	9.65764130	14847	9.94972626	3869	9.70791502	18717	10.29208496	96
5	9.65778977	14841	9.94968756	3871	9.70810221	18712	10.29189778	95
6	9.65793819	14834	9.94964885	3872	9.70828933	18707	10.29171066	94
7	9.65808653	14828	9.94961012	3874	9.70847641	18702	10.29152358	93
8	9.65823482	14821	9.94957137	3876	9.70866344	18698	10.29133655	92
9	9.65838304	14815	9.94953261	3877	9.70885042	18693	10.29114957	91
10	9.65853119	14809	9.94949383	3879	9.70903735	18688	10.29096264	90
11	9.65867928	14802	9.94945504	3881	9.70922424	18684	10.29077575	89
12	9.65882731	14796	9.94941622	3882	9.70941108	18679	10.29058891	88
13	9.65897527	14790	9.94937739	3884	9.70959788	18674	10.29040211	87
14	9.65912318	14783	9.94933855	3886	9.70978463	18670	10.29021536	86
15	9.65927101	14777	9.94929968	3888	9.70997133	18665	10.29002866	85
16	9.65941879	14771	9.94926080	3889	9.71015798	18660	10.28984201	84
17	9.65956650	14764	9.94922191	3891	9.71034459	18656	10.28965540	83
18	9.65971414	14758	9.94918299	3893	9.71053115	18651	10.28946884	82
19	9.65986173	14751	9.94914406	3894	9.71071766	18646	10.28928233	81
20	9.66000925	14745	9.94910512	3896	9.71090413	18642	10.28909586	80
21	9.66015670	14739	9.94906615	3898	9.71109055	18637	10.28890944	79
22	9.66030410	14733	9.94902717	3899	9.71127692	18632	10.28872307	78
23	9.66045143	14726	9.94898817	3901	9.71146325	18628	10.28853674	77
24	9.66059869	14720	9.94894916	3903	9.71164953	18623	10.28835046	76
25	9.66074590	14714	9.94891013	3904	9.71183576	18618	10.28816423	75
26	9.66089304	14707	9.94887108	3906	9.71202195	18614	10.28797804	74
27	9.66104012	14701	9.94883202	3908	9.71220809	18609	10.28779190	73
28	9.66118713	14695	9.94879294	3909	9.71239419	18604	10.28760580	72
29	9.66133408	14688	9.94875384	3911	9.71258024	18600	10.28741975	71
30	9.66148097	14682	9.94871473	3913	9.71276624	18595	10.28723375	70
31	9.66162780	14676	9.94867560	3914	9.71295220	18591	10.28704779	69
32	9.66177456	14670	9.94863645	3916	9.71313811	18586	10.28686188	68
33	9.66192126	14663	9.94859728	3918	9.71332397	18581	10.28667602	67
34	9.66206790	14657	9.94855810	3919	9.71350979	18577	10.28649020	66
35	9.66221447	14651	9.94851890	3921	9.71369556	18572	10.28630443	65
36	9.66236098	14644	9.94847969	3923	9.71388129	18568	10.28611870	64
37	9.66250743	14638	9.94844046	3924	9.71406697	18563	10.28593302	63
38	9.66265382	14632	9.94840121	3926	9.71425261	18558	10.28574738	62
39	9.66280014	14626	9.94836194	3928	9.71443820	18554	10.28556179	61
40	9.66294641	14619	9.94832266	3929	9.71462374	18549	10.28537625	60
41	9.66309261	14613	9.94828336	3931	9.71480924	18545	10.28519075	59
42	9.66323874	14607	9.94824405	3933	9.71499469	18540	10.28500530	58
43	9.66338482	14601	9.94820472	3934	9.71518010	18536	10.28481989	57
44	9.66353083	14594	9.94816537	3936	9.71536546	18531	10.28463453	56
45	9.66367678	14588	9.94812600	3938	9.71555077	18527	10.28444922	55
46	9.66382267	14582	9.94808662	3939	9.71573604	18522	10.28426395	54
47	9.66396849	14576	9.94804722	3941	9.71592127	18517	10.28407872	53
48	9.66411425	14570	9.94800780	3943	9.71610645	18513	10.28389354	52
49	9.66425996	14563	9.94796837	3944	9.71629158	18508	10.28370841	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.				Tangens	Differ.		
50	9.66440559	14557	9.94792892	3946		9.71647667	18504	10.28352332	50
51	9.66455117	14551	9.94788945	3948		9.71666171	18499	10.28333828	49
52	9.66469669	14545	9.94784997	3950		9.71684671	18495	10.28315328	48
53	9.66484214	14539	9.94781047	3951		9.71703167	18490	10.28296832	47
54	9.66498753	14532	9.94777095	3953		9.71721657	18486	10.28278342	46
55	9.66513286	14526	9.94773142	3955		9.71740144	18481	10.28259855	45
56	9.66527813	14520	9.94769187	3956		9.71758626	18477	10.28241373	44
57	9.66542333	14514	9.94765230	3958		9.71777103	18473	10.28222896	43
58	9.66556848	14508	9.94761271	3960		9.71795576	18468	10.28204423	42
59	9.66571356	14502	9.94757311	3961		9.71814044	18463	10.28185955	41
60	9.66585858	14495	9.94753349	3963		9.71832508	18459	10.28167491	40
61	9.66600354	14489	9.94749386	3965		9.71850967	18454	10.28149032	39
62	9.66614843	14483	9.94745421	3966		9.71869422	18450	10.28130577	38
63	9.66629327	14477	9.94741454	3968		9.71887873	18445	10.28112126	37
64	9.66643804	14471	9.94737485	3970		9.71906319	18441	10.28093680	36
65	9.66658276	14465	9.94733515	3971		9.71924760	18437	10.28075239	35
66	9.66672741	14458	9.94729543	3973		9.71943197	18432	10.28056802	34
67	9.66687200	14452	9.94725570	3975		9.71961630	18428	10.28038369	33
68	9.66701653	14446	9.94721594	3976		9.71980058	18423	10.28019941	32
69	9.66716099	14440	9.94717617	3978		9.71998482	18419	10.28001517	31
70	9.66730540	14434	9.94713639	3980		9.72016901	18414	10.27983098	30
71	9.66744974	14428	9.94709658	3982		9.72035316	18410	10.27964683	29
72	9.66759403	14422	9.94705676	3983		9.72053726	18405	10.27946273	28
73	9.66773825	14416	9.94701692	3985		9.72072132	18401	10.27927867	27
74	9.66788241	14410	9.94697707	3987		9.72090534	18397	10.27909465	26
75	9.66802651	14403	9.94693720	3988		9.72108931	18392	10.27891068	25
76	9.66817055	14397	9.94689731	3990		9.72127323	18388	10.27872676	24
77	9.66831453	14391	9.94685741	3992		9.72145712	18383	10.27854287	23
78	9.66845844	14385	9.94681748	3993		9.72164096	18379	10.27835903	22
79	9.66860230	14379	9.94677755	3995		9.72182475	18375	10.27817524	21
80	9.66874610	14373	9.94673759	3997		9.72200850	18370	10.27799149	20
81	9.66888983	14367	9.94669762	3998		9.72219221	18366	10.27780778	19
82	9.66903350	14361	9.94665763	4000		9.72237587	18361	10.27762412	18
83	9.66917712	14355	9.94661762	4002		9.72255949	18357	10.27744050	17
84	9.66932067	14349	9.94657760	4004		9.72274307	18353	10.27725692	16
85	9.66946416	14343	9.94653756	4005		9.72292660	18348	10.27707339	15
86	9.66960759	14337	9.94649750	4007		9.72311009	18344	10.27688990	14
87	9.66975096	14330	9.94645743	4009		9.72329353	18340	10.27670646	13
88	9.66989427	14324	9.94641734	4010		9.72347693	18335	10.27652306	12
89	9.67003752	14318	9.94637723	4012		9.72366029	18331	10.27633970	11
90	9.67018071	14312	9.94633710	4014		9.72384360	18327	10.27615639	10
91	9.67032384	14306	9.94629696	4015		9.72402688	18322	10.27597312	9
92	9.67046691	14300	9.94625680	4017		9.72421010	18318	10.27578989	8
93	9.67060992	14294	9.94621663	4019		9.72439329	18314	10.27560670	7
94	9.67075286	14288	9.94617643	4020		9.72457643	18309	10.27542356	6
95	9.67089575	14282	9.94613622	4022		9.72475952	18305	10.27524047	5
96	9.67103858	14276	9.94609600	4024		9.72494258	18301	10.27505741	4
97	9.67118135	14270	9.94605575	4026		9.72512559	18296	10.27487440	3
98	9.67132405	14264	9.94601549	4027		9.72530855	18292	10.27469144	2
99	9.67146670	14258	9.94597522	4029		9.72549148	18288	10.27450851	1
			Sinus	Diff			Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.67160929	14252	9.94593492	4031	9.72567436	18283	10.27432563	100
1	9.67175181	14246	9.94589461	4032	9.72585720	18279	10.27414279	99
2	9.67189428	14240	9.94585428	4034	9.72603999	18275	10.27396000	98
3	9.67203669	14234	9.94581394	4036	9.72622274	18270	10.27377725	97
4	9.67217903	14228	9.94577357	4037	9.72640545	18266	10.27359454	96
5	9.67232132	14222	9.94573320	4039	9.72658812	18262	10.27341187	95
6	9.67246355	14216	9.94569280	4041	9.72677074	18258	10.27322925	94
7	9.67260571	14210	9.94565239	4043	9.72695332	18253	10.27304667	93
8	9.67274782	14204	9.94561196	4044	9.72713586	18249	10.27286413	92
9	9.67288987	14198	9.94557151	4046	9.72731836	18245	10.27268163	91
10	9.67303186	14192	9.94553104	4048	9.72750081	18240	10.27249918	90
11	9.67317379	14186	9.94549056	4049	9.72768322	18236	10.27231677	89
12	9.67331565	14180	9.94545006	4051	9.72786559	18232	10.27213440	88
13	9.67345746	14174	9.94540955	4053	9.72804791	18228	10.27195208	87
14	9.67359921	14169	9.94536902	4054	9.72823019	18223	10.27176980	86
15	9.67374090	14163	9.94532847	4056	9.72841243	18219	10.27158756	85
16	9.67388254	14157	9.94528790	4058	9.72859463	18215	10.27140536	84
17	9.67402411	14151	9.94524732	4060	9.72877678	18211	10.27122321	83
18	9.67416562	14145	9.94520672	4061	9.72895890	18207	10.27104109	82
19	9.67430707	14139	9.94516610	4063	9.72914097	18202	10.27085902	81
20	9.67444847	14133	9.94512547	4065	9.72932299	18198	10.27067700	80
21	9.67458980	14127	9.94508481	4066	9.72950498	18194	10.27049501	79
22	9.67473107	14121	9.94504415	4068	9.72968692	18190	10.27031307	78
23	9.67487229	14115	9.94500346	4070	9.72986883	18185	10.27013117	77
24	9.67501345	14109	9.94496276	4071	9.73005068	18181	10.26994931	76
25	9.67515455	14103	9.94492204	4073	9.73023250	18177	10.26976749	75
26	9.67529558	14097	9.94488130	4075	9.73041428	18173	10.26958571	74
27	9.67543656	14092	9.94484055	4077	9.73059601	18169	10.26940398	73
28	9.67557748	14086	9.94479978	4078	9.73077770	18164	10.26922229	72
29	9.67571835	14080	9.94475899	4080	9.73095935	18160	10.26904064	71
30	9.67585915	14074	9.94471819	4082	9.73114096	18156	10.26885903	70
31	9.67599989	14068	9.94467736	4083	9.73132253	18152	10.26867747	69
32	9.67614058	14062	9.94463652	4085	9.73150405	18148	10.26849594	68
33	9.67628120	14056	9.94459567	4087	9.73168553	18144	10.26831446	67
34	9.67642177	14050	9.94455479	4089	9.73186697	18139	10.26813302	66
35	9.67656228	14045	9.94451390	4090	9.73204837	18135	10.26795162	65
36	9.67670273	14039	9.94447300	4092	9.73222973	18131	10.26777026	64
37	9.67684312	14033	9.94443207	4094	9.73241105	18127	10.26758894	63
38	9.67698346	14027	9.94439113	4095	9.73259232	18123	10.26740767	62
39	9.67712373	14021	9.94435017	4097	9.73277355	18119	10.26722644	61
40	9.67726395	14015	9.94430920	4099	9.73295474	18115	10.26704525	60
41	9.67740410	14009	9.94426820	4100	9.73313589	18110	10.26686410	59
42	9.67754420	14004	9.94422719	4102	9.73331700	18106	10.26668299	58
43	9.67768424	13998	9.94418617	4104	9.73349807	18102	10.26650192	57
44	9.67782423	13992	9.94414512	4106	9.73367910	18098	10.26632089	56
45	9.67796415	13986	9.94410406	4107	9.73386008	18094	10.26613991	55
46	9.67810402	13980	9.94406298	4109	9.73404103	18090	10.26595896	54
47	9.67824382	13974	9.94402189	4111	9.73422193	18086	10.26577806	53
48	9.67838357	13969	9.94398078	4112	9.73440279	18082	10.26559720	52
49	9.67852326	13963	9.94393965	4114	9.73458361	18077	10.26541638	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.67866290	13957	9.94389850	4116	9.73476439	18073	10.26523560	50
51	9.67880247	13951	9.94385734	4118	9.73494513	18069	10.26505486	49
52	9.67894199	13945	9.94381616	4119	9.73512583	18065	10.26487416	48
53	9.67908145	13940	9.94377496	4121	9.73530648	18061	10.26469351	47
54	9.67922085	13934	9.94373374	4123	9.73548710	18057	10.26451289	46
55	9.67936019	13928	9.94369251	4124	9.73566768	18053	10.26433231	45
56	9.67949947	13922	9.94365126	4126	9.73584821	18049	10.26415178	44
57	9.67963870	13916	9.94360999	4128	9.73602870	18045	10.26397129	43
58	9.67977787	13911	9.94356871	4130	9.73620916	18041	10.26379083	42
59	9.67991698	13905	9.94352741	4131	9.73638957	18037	10.26361042	41
60	9.68005604	13899	9.94348609	4133	9.73656994	18033	10.26343005	40
61	9.68019503	13893	9.94344475	4135	9.73675027	18029	10.26324972	39
62	9.68033397	13888	9.94340340	4136	9.73693056	18025	10.26306943	38
63	9.68047285	13882	9.94336203	4138	9.73711081	18020	10.26288918	37
64	9.68061167	13876	9.94332065	4140	9.73729102	18016	10.26270897	36
65	9.68075044	13870	9.94327924	4142	9.73747119	18012	10.26252880	35
66	9.68088915	13865	9.94323782	4143	9.73765132	18008	10.26234867	34
67	9.68102780	13859	9.94319638	4145	9.73783141	18004	10.26216858	33
68	9.68116639	13853	9.94315493	4147	9.73801146	18000	10.26198853	32
69	9.68130492	13847	9.94311345	4148	9.73819147	17996	10.26180852	31
70	9.68144340	13842	9.94307196	4150	9.73837143	17992	10.26162856	30
71	9.68158182	13836	9.94303046	4152	9.73855136	17988	10.26144863	29
72	9.68172018	13830	9.94298893	4154	9.73873125	17984	10.26126874	28
73	9.68185849	13824	9.94294739	4155	9.73891110	17980	10.26108889	27
74	9.68199674	13819	9.94290583	4157	9.73909090	17976	10.26090909	26
75	9.68213493	13813	9.94286426	4159	9.73927067	17972	10.26072932	25
76	9.68227306	13807	9.94282266	4161	9.73945040	17968	10.26054959	24
77	9.68241114	13801	9.94278105	4162	9.73963009	17964	10.26036990	23
78	9.68254916	13796	9.94273942	4164	9.73980973	17960	10.26019026	22
79	9.68268712	13790	9.94269778	4166	9.73998934	17956	10.26001065	21
80	9.68282503	13784	9.94265612	4167	9.74016891	17952	10.25983108	20
81	9.68296288	13779	9.94261444	4169	9.74034844	17948	10.25965155	19
82	9.68310067	13773	9.94257274	4171	9.74052792	17944	10.25947207	18
83	9.68323841	13767	9.94253103	4173	9.74070737	17940	10.25929262	17
84	9.68337608	13762	9.94248930	4174	9.74088678	17936	10.25911321	16
85	9.68351371	13756	9.94244755	4176	9.74106615	17932	10.25893384	15
86	9.68365127	13750	9.94240578	4178	9.74124548	17929	10.25875451	14
87	9.68378878	13745	9.94236400	4179	9.74142477	17925	10.25857522	13
88	9.68392623	13739	9.94232220	4181	9.74160402	17921	10 25839597	12
89	9.68406362	13733	9.94228038	4183	9.74178323	17917	10.25821676	11
90	9.68420096	13728	9.94223855	4185	9.74196241	17913	10.25803758	10
91	9.68433824	13722	9.94219670	4186	9.74214154	17909	10.25785845	9
92	9.68447546	13716	9.94215483	4188	9.74232063	17905	10.25767936	8
93	9.68461263	13711	9.94211294	4190	9.74249969	17901	10.25750030	7
94	9.68474974	13705	9.94207104	4192	9.74267870	17897	10.25732129	6
95	9.68488680	13699	9.94202912	4193	9.74285768	17893	10.25714231	5
96	9.68502380	13694	9.94298718	4195	9.74303661	17889	10.25696338	4
97	9.68516074	13688	9.94294522	4197	9.74321551	17885	10.25678448	3
98	9.68529762	13682	9.94290325	4198	9.74339437	17881	10.25660562	2
99	9.68543445	13677	9.94286126	4200	9.74357319	17877	10.25642680	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.68557122	13671	9.94181925	4202	9.74375197	17874	10.25624802	100
1	9.68570794	13666	9.94177723	4204	9.74393071	17870	10.25606928	99
2	9.68584460	13660	9.94173519	4205	9.74410941	17866	10.25589058	98
3	9.68598120	13654	9.94169313	4207	9.74428807	17862	10.25571192	97
4	9.68611775	13649	9.94165105	4209	9.74446670	17858	10.25553329	96
5	9.68625424	13643	9.94160896	4211	9.74464528	17854	10.25535471	95
6	9.68639068	13637	9.94156685	4212	9.74482383	17850	10.25517616	94
7	9.68652706	13632	9.94152472	4214	9.74500233	17846	10.25499766	93
8	9.68666338	13626	9.94148257	4216	9.74518080	17843	10.25481919	92
9	9.68679965	13621	9.94144041	4218	9.74535923	17839	10.25464076	91
10	9.68693586	13615	9.94139823	4219	9.74553763	17835	10.25446236	90
11	9.68707202	13609	9.94135603	4221	9.74571598	17831	10.25428401	89
12	9.68720812	13604	9.94131382	4223	9.74589429	17827	10.25410570	88
13	9.68734416	13598	9.94127158	4224	9.74607257	17823	10.25392742	87
14	9.68748015	13593	9.94122933	4226	9.74625081	17819	10.25374918	86
15	9.68761608	13587	9.94118707	4228	9.74642901	17816	10.25357098	85
16	9.68775195	13582	9.94114478	4230	9.74660717	17812	10.25339282	84
17	9.68788778	13576	9.94110248	4231	9.74678529	17808	10.25321470	83
18	9.68802354	13570	9.94106016	4233	9.74696337	17804	10.25303662	82
19	9.68815925	13565	9.94101783	4235	9.74714142	17800	10.25285857	81
20	9.68829490	13559	9.94097547	4237	9.74731943	17796	10.25268056	80
21	9.68843050	13554	9.94093310	4238	9.74749739	17793	10.25250260	79
22	9.68856604	13548	9.94089071	4240	9.74767533	17789	10.25232465	78
23	9.68870153	13543	9.94084831	4242	9.74785322	17785	10.25214677	77
24	9.68883696	13537	9.94080588	4244	9.74803107	17781	10.25196892	76
25	9.68897234	13532	9.94076344	4245	9.74820889	17777	10.25179110	75
26	9.68910766	13526	9.94072099	4247	9.74838667	17774	10.25161332	74
27	9.68924292	13520	9.94067851	4249	9.74856441	17770	10.25143558	73
28	9.68937813	13515	9.94063602	4251	9.74874211	17766	10.25125788	72
29	9.68951329	13509	9.94059351	4252	9.74891978	17762	10.25108021	71
30	9.68964839	13504	9.94055098	4254	9.74909740	17758	10.25090259	70
31	9.68978343	13498	9.94050843	4256	9.74927499	17755	10.25072500	69
32	9.68991842	13493	9.94046587	4257	9.74945254	17751	10.25054745	68
33	9.69005335	13487	9.94042329	4259	9.74963006	17747	10.25036993	67
34	9.69018823	13482	9.94038070	4261	9.74980753	17743	10.25019246	66
35	9.69032306	13476	9.94033808	4263	9.74998497	17740	10.25001502	65
36	9.69045782	13471	9.94029545	4264	9.75016237	17736	10.24983762	64
37	9.69059254	13465	9.94025280	4266	9.75033973	17732	10.24966026	63
38	9.69072720	13460	9.94021013	4268	9.75051706	17728	10.24948293	62
39	9.69086180	13454	9.94016745	4270	9.75069435	17725	10.24930564	61
40	9.69099635	13449	9.94012475	4271	9.75087160	17721	10.24912839	60
41	9.69113084	13443	9.94008203	4273	9.75104881	17717	10.24895118	59
42	9.69126528	13438	9.94003929	4275	9.75122598	17713	10.24877401	58
43	9 69139966	13432	9.93999654	4277	9.75140312	17710	10.24859687	57
44	9.69153399	13427	9.93995377	4278	9.75158022	17706	10.24841977	56
45	9.69166827	13421	9.93991098	4280	9.75175729	17702	10.24824270	55
46	9.69180249	13416	9.93986817	4282	9.75193431	17698	10.24806568	54
47	9.69193665	13411	9.93982535	4284	9.75211130	17695	10.24788869	53
48	9.69207076	13405	9.93978251	4285	9.75228825	17691	10.24771174	52
49	9.69220482	13400	9.93973965	4287	9.75246517	17687	10.24753482	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.69233882	13394	9.93969677	4289	9.75264204	17684	10.24735795	50°
51	9.69247277	13389	9.93965388	4291	9.75281888	17680	10.24718111	49
52	9.69260666	13383	9.93961097	4292	9.75299569	17676	10.24700430	48
53	9.69274049	13378	9.93956804	4294	9.75317245	17672	10.24682754	47
54	9.69287428	13372	9.93952509	4296	9.75334918	17669	10.24665081	46
55	9.69300801	13367	9.93948213	4298	9.75352587	17665	10.24647412	45
56	9.69314168	13361	9.93943915	4299	9.75370253	17661	10.24629746	44
57	9.69327530	13356	9.93939615	4301	9.75387915	17658	10.24612084	43
58	9.69340887	13351	9.93935313	4303	9.75405573	17654	10.24594426	42
59	9.69354238	13345	9.93931010	4305	9.75423227	17650	10.24576772	41
60	9.69367583	13340	9.93926705	4306	9.75440878	17647	10.24559121	40
61	9.69380924	13334	9.93922398	4308	9.75458525	17643	10.24541474	39
62	9.69394258	13329	9.93918089	4310	9.75476169	17639	10.24523830	38
63	9.69407588	13324	9.93913779	4312	9.75493808	17636	10.24506191	37
64	9.69420912	13318	9.93909467	4313	9.75511444	17632	10.24488555	36
65	9.69434231	13313	9.93905153	4315	9.75529077	17628	10.24470922	35
66	9.69447544	13307	9.93900838	4317	9.75546706	17625	10.24453293	34
67	9.69460852	13302	9.93896520	4319	9.75564331	17621	10.24435668	33
68	9.69474154	13297	9.93892201	4320	9.75581952	17617	10.24418047	32
69	9.69487451	13291	9.93887880	4322	9.75599570	17614	10.24400429	31
70	9.69500743	13286	9.93883558	4324	9.75617184	17610	10.24382815	30
71	9.69514029	13280	9.93879233	4326	9.75634795	17606	10.24365204	29
72	9.69527310	13275	9.93874907	4327	9.75652402	17603	10.24347597	28
73	9.69540585	13270	9.93870579	4329	9.75670005	17599	10.24329994	27
74	9.69553855	13264	9.93866250	4331	9.75687605	17596	10.24312394	26
75	9.69567120	13259	9.93861918	4333	9.75705201	17592	10.24294798	25
76	9.69580379	13253	9.93857585	4334	9.75722794	17588	10.24277205	24
77	9.69593633	13248	9.93853250	4336	9.75740382	17585	10.24259617	23
78	9.69606882	13243	9.93848914	4338	9.75757968	17581	10.24242031	22
79	9.69620125	13237	9.93844575	4340	9.75775549	17578	10.24224450	21
80	9.69633363	13232	9.93840235	4341	9.75793127	17574	10.24206872	20
81	9.69646595	13227	9.93835893	4343	9.75810702	17570	10.24189297	19
82	9.69659823	13221	9.93831550	4345	9.75828273	17567	10.24171726	18
83	9.69673044	13216	9.93827204	4347	9.75845840	17563	10.24154159	17
84	9.69686261	13211	9.93822857	4348	9.75863403	17560	10.24136596	16
85	9.69699472	13205	9.93818508	4350	9.75880964	17556	10.24119035	15
86	9.69712678	13200	9.93814157	4352	9.75898520	17552	10.24101479	14
87	9.69725878	13195	9.93809805	4354	9.75916073	17549	10.24083926	13
88	9.69739073	13189	9.93805451	4355	9.75933622	17545	10.24066377	12
89	9.69752263	13184	9.93801095	4357	9.75951168	17542	10.24048831	11
90	9.69765448	13179	9.93796737	4359	9.75968710	17538	10.24031289	10
91	9.69778527	13173	9.93792377	4361	9.75986249	17535	10.24013750	9
92	9.69791801	13168	9.93788016	4363	9.76003784	17531	10.23996215	8
93	9.69804969	13163	9.93783653	4364	9.76021315	17527	10.23978684	7
94	9.69818132	13157	9.93779288	4366	9.76038843	17524	10.23961156	6
95	9.69831290	13152	9.93774922	4368	9.76056368	17520	10.23943631	5
96	9.69844443	13147	9.93770554	4370	9.76073889	17517	10.23926110	4
97	9.69857590	13141	9.93766183	4371	9.76091406	17513	10.23908593	3
98	9.69870732	13136	9.93761812	4373	9.76108920	17510	10.23891079	2
99	9.69883869	13131	9.93757438	4375	9.76126430	17506	10.23873569	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.69897000	13126	9.93753063	4377	9.76143937	17503	10.23856062	100
1	9.69910126	13120	9.93748686	4378	9.76161440	17499	10.23838559	99
2	9.69923247	13115	9.93744307	4380	9.76178940	17496	10.23821059	98
3	9.69936362	13110	9.93739926	4382	9.76196436	17492	10.23803563	97
4	9.69949473	13104	9.93735544	4384	9.76213928	17489	10.23786071	96
5	9.69962577	13099	9.93731159	4385	9.76231418	17485	10.23768581	95
6	9.69975677	13094	9.93726773	4387	9.76248903	17482	10.23751096	94
7	9.69988771	13089	9.93722386	4389	9.76266385	17478	10.23733614	93
8	9.70001861	13083	9.93717996	4391	9.76283864	17475	10.23716135	92
9	9.70014944	13078	9.93713605	4393	9.76301339	17471	10.23698660	91
10	9.70028023	13073	9.93709212	4394	9.76318811	17468	10.23681188	90
11	9.70041096	13068	9.93704817	4396	9.76336279	17464	10.23663720	89
12	9.70054164	13062	9.93700421	4398	9.76353743	17461	10.23646256	88
13	9.70067227	13057	9.93696022	4400	9.76371204	17457	10.23628795	87
14	9.70080285	13052	9.93691622	4401	9.76388662	17454	10.23611337	86
15	9.70093337	13047	9.93687220	4403	9.76406116	17450	10.23593883	85
16	9.70106384	13041	9.93682817	4405	9.76423567	17447	10.23576432	84
17	9.70119426	13036	9.93678411	4407	9.76441014	17443	10.23558985	83
18	9.70132463	13031	9.93674004	4408	9.76458458	17440	10.23541541	82
19	9.70145494	13026	9.93669595	4410	9.76475898	17436	10.23524101	81
20	9.70158520	13020	9.93665185	4412	9.76493335	17433	10.23506664	80
21	9.70171541	13015	9.93660772	4414	9.76510768	17429	10.23489231	79
22	9.70184557	13010	9.93656358	4416	9.76528198	17426	10.23471801	78
23	9.70197567	13005	9.93651942	4417	9.76545625	17423	10.23454374	77
24	9.70210572	13000	9.93647524	4419	9.76563048	17419	10.23436951	76
25	9.70223572	12994	9.93643105	4421	9.76580467	17416	10.23419532	75
26	9.70236567	12989	9.93638683	4423	9.76597884	17412	10.23402115	74
27	9.70249557	12984	9.93634260	4424	9.76615296	17409	10.23384703	73
28	9.70262541	12979	9.93629835	4426	9.76632706	17405	10.23367293	72
29	9.70275520	12973	9.93625409	4428	9.76650111	17402	10.23349888	71
30	9.70288494	12968	9.93620980	4430	9.76667514	17399	10.23332485	70
31	9.70301463	12963	9.93616550	4431	9.76684913	17395	10.23315086	69
32	9.70314427	12958	9.93612118	4433	9.76702308	17392	10.23297691	68
33	9.70327385	12953	9.93607684	4435	9.76719701	17388	10.23280298	67
34	9.70340338	12948	9.93603249	4437	9.76737089	17385	10.23262910	66
35	9.70353287	12942	9.93598811	4439	9.76754475	17381	10.23245524	65
36	9.70366229	12937	9.93594372	4440	9.76771857	17378	10.23228142	64
37	9.70379167	12932	9.93589931	4442	9.76789235	17375	10.23210764	63
38	9.70392100	12927	9.93585489	4444	9.76806610	17371	10.23193389	62
39	9.70405027	12922	9.93581044	4446	9.76823982	17368	10.23176017	61
40	9.70417949	12916	9.93576598	4447	9.76841350	17364	10.23158649	60
41	9.70430866	12911	9.93572150	4449	9.76858715	17361	10.23141284	59
42	9.70443778	12906	9.93567700	4451	9.76876077	17358	10.23123922	58
43	9.70456685	12901	9.93563249	4453	9.76893435	17354	10.23106564	57
44	9.70469586	12896	9.93558796	4455	9.76910790	17351	10.23089209	56
45	9.70482482	12891	9.93554341	4456	9.76928141	17348	10.23071858	55
46	9.70495374	12886	9.93549884	4458	9.76945489	17344	10.23054510	54
47	9.70508260	12880	9.93545425	4460	9.76962834	17341	10.23037165	53
48	9.70521141	12875	9.93540965	4462	9.76980176	17337	10.23019824	52
49	9.70534016	12870	9.93536502	4463	9.76997513	17334	10.23002486	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9·70546887	12865	9·93532038	4465	9·77014848	17331	10.22985151	50
51	9·70559752	12860	9·93527573	4467	9·77032179	17327	10.22967820	49
52	9·70572613	12855	9·93523105	4469	9·77049507	17324	10.22950492	48
53	9·70585468	12850	9·93518636	4471	9·77066832	17321	10.22933167	47
54	9·70598318	12844	9·93514165	4472	9·77084153	17317	10.22915846	46
55	9·70611163	12839	9·93509692	4474	9·77101471	17314	10.22898528	45
56	9·70624003	12834	9·93505217	4476	9·77118786	17311	10.22881213	44
57	9·70636838	12829	9·93500740	4478	9·77136097	17307	10.22863902	43
58	9·70649667	12824	9·93496262	4480	9·77153405	17304	10.22846594	42
59	9·70662492	12819	9·93491782	4481	9·77170709	17301	10.22829290	41
60	9·70675311	12814	9·93487300	4483	9·77188010	17297	10.22811989	40
61	9·70688126	12809	9·93482817	4485	9·77205308	17294	10.22794691	39
62	9·70700935	12804	9·93478331	4487	9·77222603	17291	10.22777396	38
63	9·70713739	12799	9·93473844	4488	9·77239894	17287	10.22760105	37
64	9·70726538	12793	9·93469355	4490	9·77257182	17284	10.22742817	36
65	9·70739332	12788	9·93464864	4492	9·77274467	17281	10.22725532	35
66	9·70752121	12783	9·93460372	4494	9·77291748	17278	10.22708251	34
67	9·70764904	12778	9·93455878	4496	9·77309026	17274	10.22690973	33
68	9·70777683	12773	9·93451381	4497	9·77326301	17271	10.22673698	32
69	9·70790457	12768	9·93446883	4499	9·77343573	17268	10.22656426	31
70	9·70803225	12763	9·93442384	4501	9·77360841	17264	10.22639158	30
71	9·70815989	12758	9·93437882	4503	9·77378106	17261	10.22621893	29
72	9·70828747	12753	9·93433379	4505	9·77395367	17258	10.22604632	28
73	9·70841500	12748	9·93428874	4506	9·77412626	17255	10.22587373	27
74	9·70854248	12743	9·93424367	4508	9·77429881	17251	10.22570118	26
75	9·70866992	12738	9·93419858	4510	9·77447133	17248	10.22552866	25
76	9·70879730	12733	9·93415348	4512	9·77464381	17245	10.22535618	24
77	9·70892463	12727	9·93410836	4514	9·77481626	17242	10.22518373	23
78	9·70905191	12722	9·93406322	4515	9·77498868	17238	10.22501131	22
79	9·70917914	12717	9·93401806	4517	9·77516107	17235	10.22483892	21
80	9·70930631	12712	9·93397288	4519	9·77533343	17232	10.22466656	20
81	9·70943344	12707	9·93392769	4521	9·77550575	17228	10.22449424	19
82	9·70956052	12702	9·93388248	4522	9·77567804	17225	10.22432195	18
83	9·70968755	12697	9·93383725	4524	9·77585030	17222	10.22414969	17
84	9·70981452	12692	9·93379200	4526	9·77602252	17219	10.22397747	16
85	9·70994145	12687	9·93374673	4528	9·77619471	17216	10.22380528	15
86	9·71006833	12682	9·93370145	4530	9·77636687	17212	10.22363312	14
87	9·71019515	12677	9·93365615	4531	9·77653900	17209	10.22346099	13
88	9·71032193	12672	9·93361083	4533	9·77671110	17206	10.22328889	12
89	9·71044866	12667	9·93356549	4535	9·77688316	17203	10.22311683	11
90	9·71057533	12662	9·93352013	4537	9·77705519	17199	10.22294480	10
91	9·71070196	12657	9·93347476	4539	9·77722719	17196	10.22277280	9
92	9·71082853	12652	9·93342937	4540	9·77739916	17193	10.22260083	8
93	9·71095506	12647	9·93338396	4542	9·77757109	17190	10.22242890	7
94	9·71108153	12642	9·93333853	4544	9·77774299	17187	10.22225700	6
95	9·71120796	12637	9·93329309	4546	9·77791486	17183	10.22208513	5
96	9·71133433	12632	9·93324762	4548	9·77808670	17180	10.22191329	4
97	9·71146066	12627	9·93320214	4549	9·77825851	17177	10.22174148	3
98	9·71158693	12622	9·93315664	4551	9·77843028	17174	10.22156971	2
99	9·71171316	12617	9·93311113	4553	9·77860203	17171	10.22139796	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		'
0	9.71183933	12612	9.93306559	4555	9.77877374	17167	10.22122625	100
1	9.71196546	12607	9.93302004	4557	9.77894541	17164	10.22105458	99
2	9.71209153	12602	9.93297447	4558	9.77911706	17161	10.22088293	98
3	9.71221756	12597	9.93292888	4560	9.77928868	17158	10.22071131	97
4	9.71234353	12592	9.93288327	4562	9.77946026	17155	10.22053973	96
5	9.71246946	12587	9.93283764	4564	9.77963181	17151	10.22036818	95
6	9.71259534	12582	9.93279200	4566	9.77980333	17148	10.22019666	94
7	9.71272116	12577	9.93274634	4567	9.77997483	17145	10.22002517	93
8	9.71284694	12572	9.93270066	4569	9.78014628	17142	10.21985371	92
9	9.71257267	12567	9.93265496	4571	9.78031770	17139	10.21968229	91
10	9.71309834	12562	9.93260924	4573	9.78048909	17136	10.21951090	90
11	9.71322397	12557	9.93256351	4575	9.78066046	17133	10.21933953	89
12	9.71334955	12552	9.93251776	4576	9.78083179	17129	10.21916820	88
13	9.71347508	12547	9.93247199	4578	9.78100309	17126	10.21899690	87
14	9.71360056	12543	9.93242620	4580	9.78117435	17123	10.21882564	86
15	9.71372599	12538	9.93238040	4582	9.78134559	17120	10.21865440	85
16	9.71385137	12533	9.93233457	4584	9.78151679	17117	10.21848320	84
17	9.71397670	12528	9.93228873	4586	9.78168797	17114	10.21831202	83
18	9.71410198	12523	9.93224287	4587	9.78185911	17111	10.21814088	82
19	9.71422722	12518	9.93219699	4589	9.78203022	17107	10.21796977	81
20	9.71435240	12513	9.93215110	4591	9.78220130	17104	10.21779869	80
21	9.71447753	12508	9.93210518	4593	9.78237235	17101	10.21762764	79
22	9.71460262	12503	9.93205925	4595	9.78254336	17098	10.21745663	78
23	9.71472765	12498	9.93201330	4596	9.78271435	17095	10.21728564	77
24	9.71485264	12493	9.93196733	4598	9.78288530	17092	10.21711469	76
25	9.71497758	12488	9.93192134	4600	9.78305623	17089	10.21694376	75
26	9.71510246	12483	9.93187534	4602	9.78322712	17086	10.21677287	74
27	9.71522730	12478	9.93182931	4604	9.78339798	17083	10.21660201	73
28	9.71535209	12474	9.93178327	4605	9.78356881	17079	10.21643118	72
29	9.71547683	12469	9.93173721	4607	9.78373961	17076	10.21626038	71
30	9.71560152	12464	9.93169114	4609	9.78391038	17073	10.21608961	70
31	9.71572617	12459	9.93164504	4611	9.78408112	17070	10.21591887	69
32	9.71585076	12454	9.93159893	4613	9.78425183	17067	10.21574816	68
33	9.71597530	12449	9.93155280	4614	9.78442250	17064	10.21557749	67
34	9.71609980	12444	9.93150665	4616	9.78459315	17061	10.21540684	66
35	9.71622425	12439	9.93146048	4618	9.78476376	17058	10.21523623	65
36	9.71634864	12434	9.93141429	4620	9.78493435	17055	10.21506564	64
37	9.71647299	12430	9.93136809	4622	9.78510490	17052	10.21489509	63
38	9.71659729	12425	9.93132187	4624	9.78527542	17049	10.21472457	62
39	9.71672154	12420	9.93127563	4625	9.78544591	17046	10.21455408	61
40	9.71684575	12415	9.93122937	4627	9.78561637	17043	10.21438362	60
41	9.71696990	12410	9.93118309	4629	9.78578681	17040	10.21421318	59
42	9.71709401	12405	9.93113680	4631	9.78595721	17036	10.21404278	58
43	9.71721806	12400	9.93109048	4633	9.78612758	17033	10.21387242	57
44	9.71734207	12395	9.93104415	4634	9.78629791	17030	10.21370208	56
45	9.71746603	12391	9.93099780	4636	9.78646822	17027	10.21353177	55
46	9.71758994	12386	9.93095143	4638	9.78663850	17024	10.21336149	54
47	9.71771380	12381	9.93090505	4640	9.78680875	17021	10.21319124	53
48	9.71783762	12376	9.93085864	4642	9.78697897	17018	10.21302102	52
49	9.71796138	12371	9.93081222	4644	9.78714915	17015	10.21285084	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.71808510	12366	9.93076578	4645	9.78731931	17012	10.21268068	50
51	9.71820876	12361	9.93071932	4647	9.78748944	17009	10.21251055	49
52	9.71833238	12357	9.93067285	4649	9.78765953	17006	10.21234046	48
53	9.71845596	12352	9.93062635	4651	9.78782960	17003	10.21217039	47
54	9.71857948	12347	9.93057984	4653	9.78799964	17000	10.21200035	46
55	9.71870295	12342	9.93053331	4654	9.78816964	16997	10.21183035	45
56	9.71882638	12337	9.93048676	4656	9.78833962	16994	10.21166037	44
57	9.71894976	12332	9.93044019	4658	9.78850956	16991	10.21149043	43
58	9.71907309	12328	9.93039360	4660	9.78867948	16988	10.21132051	42
59	9.71919637	12323	9.93034700	4662	9.78884936	16985	10.21115063	41
60	9.71931960	12318	9.93030038	4664	9.78901922	16982	10.21098077	40
61	9.71944279	12313	9.93025374	4665	9.78918905	16979	10.21081094	39
62	9.71956592	12308	9.93020708	4667	9.78935884	16976	10.21064115	38
63	9.71968901	12304	9.93016040	4669	9.78952861	16973	10.21047138	37
64	9.71981205	12299	9.93011370	4671	9.78969834	16970	10.21030165	36
65	9.71993504	12294	9.93006699	4673	9.78986805	16967	10.21013194	35
66	9.72005799	12289	9.93002026	4675	9.79003773	16964	10.20996226	34
67	9.72018088	12284	9.92997351	4676	9.79020737	16961	10.20979262	33
68	9.72030373	12280	9.92992674	4678	9.79037699	16958	10.20962300	32
69	9.72042653	12275	9.92987995	4680	9.79054658	16955	10.20945341	31
70	9.72054929	12270	9.92983315	4682	9.79071613	16952	10.20928386	30
71	9.72067199	12265	9.92978632	4684	9.79088566	16949	10.20911433	29
72	9.72079465	12260	9.92973948	4685	9.79105516	16946	10.20894483	28
73	9.72091726	12256	9.92969262	4687	9.79122463	16943	10.20877536	27
74	9.72103982	12251	9.92964574	4689	9.79139407	16940	10.20860592	26
75	9.72116233	12246	9.92959885	4691	9.79156348	16938	10.20843651	25
76	9.72128480	12241	9.92955193	4693	9.79173286	16935	10.20826713	24
77	9.72140721	12236	9.92950500	4695	9.79190221	16932	10.20809778	23
78	9.72152958	12232	9.92945805	4696	9.79207153	16929	10.20792846	22
79	9.72165191	12227	9.92941108	4698	9.79224082	16926	10.20775917	21
80	9.72177418	12222	9.92936409	4700	9.79241008	16923	10.20758991	20
81	9.72189641	12217	9.92931708	4702	9.79257932	16920	10.20742067	19
82	9.72201859	12213	9.92927006	4704	9.79274852	16917	10.20725147	18
83	9.72214072	12208	9.92922302	4706	9.79291770	16914	10.20708229	17
84	9.72226280	12203	9.92917596	4707	9.79308684	16911	10.20691315	16
85	9.72238484	12198	9.92912888	4709	9.79325596	16908	10.20674403	15
86	9.72250683	12194	9.92908178	4711	9.79342505	16905	10.20657494	14
87	9.72262877	12189	9.92903466	4713	9.79359410	16902	10.20640589	13
88	9.72275066	12184	9.92898753	4715	9.79376313	16899	10.20623686	12
89	9.72287251	12179	9.92894037	4717	9.79393213	16897	10.20606786	11
90	9.72299431	12175	9.92889320	4718	9.79410110	16894	10.20589889	10
91	9.72311606	12170	9.92884601	4720	9.79427004	16891	10.20572995	9
92	9.72323777	12165	9.92879880	4722	9.79443896	16888	10.20556103	8
93	9.72335942	12161	9.92875158	4724	9.79460784	16885	10.20539215	7
94	9.72348103	12156	9.92870433	4726	9.79477670	16882	10.20522329	6
95	9.72360260	12151	9.92865707	4728	9.79494552	16879	10.20505447	5
96	9.72372411	12146	9.92860979	4729	9.79511432	16876	10.20488567	4
97	9.72384558	12142	9.92856249	4731	9.79528309	16873	10.20471690	3
98	9.72396700	12137	9.92851517	4733	9.79545183	16871	10.20454816	2
99	9.72408838	12132	9.92846783	4735	9.79562054	16868	10.20437945	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.72420970	12127	9.92842048	4737	9.79578922	16865	10.20421077	100
1	9.72433098	12123	9.92837311	4739	9.79595787	16862	10.20404212	99
2	9.72445222	12118	9.92832571	4741	9.79612650	16859	10.20387349	98
3	9.72457340	12113	9.92827830	4742	9.79629509	16856	10.20370490	97
4	9.72469454	12109	9.92823087	4744	9.79646366	16853	10.20353633	96
5	9.72481563	12104	9.92818343	4746	9.79663220	16851	10.20336779	95
6	9.72493668	12099	9.92813596	4748	9.79680071	16848	10.20319928	94
7	9.72505767	12095	9.92808848	4750	9.79696919	16845	10.20303080	93
8	9.72517862	12090	9.92804098	4752	9.79713764	16842	10.20286235	92
9	9.72529953	12085	9.92799345	4753	9.79730607	16839	10.20269392	91
10	9.72542038	12081	9.92794592	4755	9.79747446	16836	10.20252553	90
11	9.72554119	12076	9.92789836	4757	9.79764283	16833	10.20235716	89
12	9.72566196	12071	9.92785078	4759	9.79781117	16831	10.20218882	88
13	9.72578267	12066	9.92780319	4761	9.79797948	16828	10.20202051	87
14	9.72590334	12062	9.92775557	4763	9.79814776	16825	10.20185223	86
15	9.72602397	12057	9.92770794	4764	9.79831602	16822	10.20168397	85
16	9.72614454	12052	9.92766029	4766	9.79848424	16819	10.20151575	84
17	9.72626507	12048	9.92761262	4768	9.79865244	16816	10.20134755	83
18	9.72638555	12043	9.92756494	4770	9.79882061	16814	10.20117938	82
19	9.72650599	12038	9.92751723	4772	9.79898875	16811	10.20101124	81
20	9.72662638	12034	9.92746951	4774	9.79915687	16808	10.20084312	80
21	9.72674672	12029	9.92742177	4776	9.79932495	16805	10.20067504	79
22	9.72686702	12024	9.92737401	4777	9.79949301	16802	10.20050698	78
23	9.72698727	12020	9.92732623	4779	9.79966104	16800	10.20033895	77
24	9.72710747	12015	9.92727843	4781	9.79982904	16797	10.20017095	76
25	9.72722763	12011	9.92723061	4783	9.79999701	16794	10.20000298	75
26	9.72734774	12006	9.92718278	4785	9.80016496	16791	10.19983503	74
27	9.72746780	12001	9.92713492	4787	9.80033287	16788	10.19966712	73
28	9.72758782	11997	9.92708705	4789	9.80050076	16786	10.19949923	72
29	9.72770779	11992	9.92703916	4790	9.80066863	16783	10.19933136	71
30	9.72782772	11987	9.92699125	4792	9.80083646	16780	10.19916353	70
31	9.72794760	11983	9.92694333	4794	9.80100426	16777	10.19899573	69
32	9.72806743	11978	9.92689538	4796	9.80117204	16775	10.19882795	68
33	9.72818721	11973	9.92684742	4798	9.80133979	16772	10.19866020	67
34	9.72830695	11969	9.92679943	4800	9.80150752	16769	10.19849248	66
35	9.72842665	11964	9.92675143	4801	9.80167521	16766	10.19832478	65
36	9.72854630	11960	9.92670341	4803	9.80184288	16763	10.19815711	64
37	9.72866590	11955	9.92665537	4805	9.80201052	16761	10.19798947	63
38	9.72878545	11950	9.92660732	4807	9.80217813	16758	10.19782186	62
39	9.72890496	11946	9.92655924	4809	9.80234571	16755	10.19765428	61
40	9.72902442	11941	9.92651115	4811	9.80251327	16752	10.19748672	60
41	9.72914384	11937	9.92646304	4813	9.80268080	16750	10.19731919	59
42	9.72926321	11932	9.92641490	4814	9.80284830	16747	10.19715169	58
43	9.72938253	11927	9.92636676	4816	9.80301577	16744	10.19698422	57
44	9.72950181	11923	9.92631859	4818	9.80318322	16741	10.19681677	56
45	9.72962105	11918	9.92627040	4820	9.80335064	16739	10.19664935	55
46	9.72974023	11914	9.92622219	4822	9.80351803	16736	10.19648196	54
47	9.72985937	11909	9.92617397	4824	9.80368540	16732	10.19631459	53
48	9.72997847	11904	9.92612573	4826	9.80385273	16731	10.19614726	52
49	9.73009752	11900	9.92607747	4827	9.80402004	16728	10.19597995	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.73021652	11895	9.92602919	4829	9.80418733	16725	10.19581266	50
51	9.73033548	11891	9.92598089	4831	9.80435458	16722	10.19564541	49
52	9.73045439	11886	9.92593257	4833	9.80452181	16720	10.19547818	48
53	9.73057325	11881	9.92588424	4835	9.80468901	16717	10.19531098	47
54	9.73069207	11877	9.92583588	4837	9.80485619	16714	10.19514380	46
55	9.73081085	11872	9.92578751	4839	9.80502333	16711	10.19497666	45
56	9.73092958	11868	9.92573912	4841	9.80519045	16709	10.19480954	44
57	9.73104826	11863	9.92569071	4842	9.80535755	16706	10.19464244	43
58	9.73116690	11859	9.92564228	4844	9.80552461	16703	10.19447538	42
59	9.73128549	11854	9.92559383	4846	9.80569165	16701	10.19430834	41
60	9.73140403	11850	9.92554537	4848	9.80585866	16698	10.19414133	40
61	9.73152253	11845	9.92549688	4850	9.80602565	16695	10.19397434	39
62	9.73164099	11840	9.92544838	4852	9.80619261	16693	10.19380738	38
63	9.73175940	11836	9.92539986	4854	9.80635954	16690	10.19364045	37
64	9.73187776	11831	9.92535132	4855	9.80652644	16687	10.19347355	36
65	9.73199608	11827	9.92530276	4857	9.80669332	16685	10.19330667	35
66	9.73211435	11822	9.92525418	4859	9.80686017	16682	10.19313982	34
67	9.73223258	11818	9.92520558	4861	9.80702699	16679	10.19297300	33
68	9.73235076	11813	9.92515697	4863	9.80719379	16677	10.19280620	32
69	9.73246890	11809	9.92510833	4865	9.80736056	16674	10.19263943	31
70	9.73258699	11804	9.92505968	4867	9.80752730	16671	10.19247269	30
71	9.73270504	11800	9.92501101	4868	9.80769402	16669	10.19230597	29
72	9.73282304	11795	9.92496232	4870	9.80786071	16666	10.19213928	28
73	9.73294099	11791	9.92491361	4872	9.80802738	16663	10.19197261	27
74	9.73305890	11786	9.92486488	4874	9.80819401	16661	10.19180598	26
75	9.73317677	11781	9.92481614	4876	9.80836062	16658	10.19163957	25
76	9.73329459	11777	9.92476737	4878	9.80852721	16655	10.19147278	24
77	9.73341236	11772	9.92471859	4880	9.80869377	16653	10.19130622	23
78	9.73353009	11768	9.92466979	4882	9.80886030	16650	10.19113969	22
79	9.73364777	11763	9.92462097	4883	9.80902680	16647	10.19097319	21
80	9.73376541	11759	9.92457213	4885	9.80919328	16645	10.19080671	20
81	9.73388301	11754	9.92452327	4887	9.80935973	16642	10.19064026	19
82	9.73400056	11750	9.92447439	4889	9.80952616	16639	10.19047383	18
83	9.73411806	11745	9.92442550	4891	9.80969256	16637	10.19030743	17
84	9.73423552	11741	9.92437658	4893	9.80985893	16634	10.19014106	16
85	9.73435293	11736	9.92432765	4895	9.81002528	16632	10.18997471	15
86	9.73447030	11732	9.92427870	4897	9.81019160	16629	10.18980839	14
87	9.73458763	11727	9.92422972	4898	9.81035790	16626	10.18964209	13
88	9.73470490	11723	9.92418074	4900	9.81052416	16624	10 18947583	12
89	9.73482214	11718	9.92413173	4902	9.81069041	16621	10.18930958	11
90	9.73493933	11714	9.92408270	4904	9.81085662	16619	10.18914337	10
91	9.73505647	11709	9.92403365	4906	9.81102281	16616	10.18897718	9
92	9.73517357	11705	9.92398459	4908	9.81118898	16613	10.18881101	8
93	9.73529063	11701	9.92393551	4910	9.81135512	16611	10.18864487	7
94	9.73540764	11696	9.92388640	4912	9.81152123	16608	10.18847876	6
95	9.73552460	11692	9.92383728	4913	9.81168731	16606	10.18831268	5
96	9.73564152	11687	9.92378814	4915	9.81185337	16603	10.18814662	4
97	9.73575840	11683	9.92373899	4917	9.81201941	16600	10.18798058	3
98	9.73587523	11678	9.92368981	4919	9.81218542	16598	10.18781457	2
99	9.73599202	11674	9.92364061	4921	9.81235140	16595	10.18764859	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.73610876	11669	9.92359140	4923	9.81251736	16593	10.18748263	100
1	9.73622546	11665	9.92354216	4925	9.81268329	16590	10.18731670	99
2	9.73634211	11660	9.92349291	4927	9.81284919	16587	10.18715080	98
3	9.73645872	11656	9.92344364	4929	9.81301507	16585	10.18698492	97
4	9.73657528	11651	9.92339435	4930	9.81318093	16582	10.18681906	96
5	9.73669180	11647	9.92334504	4932	9.81334676	16580	10.18665323	95
6	9.73680828	11643	9.92329571	4934	9.81351256	16577	10.18648743	94
7	9.73692471	11638	9.92324637	4936	9.81367834	16575	10.18632166	93
8	9.73704109	11634	9.92319700	4938	9.81384409	16572	10.18615590	92
9	9.73715743	11629	9.92314762	4940	9.81400981	16570	10.18599018	91
10	9.73727373	11625	9.92309821	4942	9.81417551	16567	10.18582448	90
11	9.73738998	11620	9.92304879	4944	9.81434119	16564	10.18565880	89
12	9.73750619	11616	9.92299935	4945	9.81450684	16562	10.18549315	88
13	9.73762236	11611	9.92294989	4947	9.81467246	16559	10.18532752	87
14	9.73773848	11607	9.92290041	4949	9.81483806	16557	10.18516193	86
15	9.73785455	11603	9.92285092	4951	9.81500363	16554	10.18499636	85
16	9.73797058	11598	9.92280140	4953	9.81516918	16552	10.18483081	84
17	9.73808657	11594	9.92275186	4955	9.81533470	16549	10.18466529	83
18	9.73820251	11589	9.92270231	4957	9.81550020	16547	10.18449979	82
19	9.73831841	11585	9.92265274	4959	9.81566567	16544	10.18433432	81
20	9.73843427	11581	9.92260315	4961	9.81583112	16542	10.18416887	80
21	9.73855008	11576	9.92255353	4962	9.81599654	16539	10.18400345	79
22	9.73866584	11572	9.92250390	4964	9.81616193	16537	10.18383806	78
23	9.73878157	11567	9.92245426	4966	9.81632730	16534	10.18367269	77
24	9.73889724	11563	9.92240459	4968	9.81649265	16532	10.18350734	76
25	9.73901288	11559	9.92235490	4970	9.81665797	16529	10.18334202	75
26	9.73912847	11554	9.92230520	4972	9.81682327	16527	10.18317672	74
27	9.73924401	11550	9.92225547	4974	9.81698854	16524	10.18301145	73
28	9.73935952	11545	9.92220573	4976	9.81715378	16522	10.18284621	72
29	9.73947498	11541	9.92215597	4978	9.81731900	16519	10.18268099	71
30	9.73959039	11537	9.92210619	4979	9.81748420	16517	10.18251579	70
31	9.73970576	11532	9.92205639	4981	9.81764937	16514	10.18235062	69
32	9.73982109	11528	9.92200657	4983	9.81781451	16512	10.18218548	68
33	9.73993637	11523	9.92195673	4985	9.81797963	16509	10.18202036	67
34	9.74005161	11519	9.92190687	4987	9.81814473	16507	10.18185526	66
35	9.74016680	11515	9.92185700	4989	9.81830980	16504	10.18169019	65
36	9.74028196	11510	9.92180710	4991	9.81847485	16502	10.18152514	64
37	9.74039706	11506	9.92175719	4993	9.81863987	16499	10.18136012	63
38	9.74051213	11502	9.92170726	4995	9.81880486	16497	10.18119513	62
39	9.74062715	11497	9.92165731	4997	9.81896984	16494	10.18103015	61
40	9.74074212	11493	9.92160733	4998	9.81913478	16492	10.18086521	60
41	9.74085706	11488	9.92155735	5000	9.81929971	16489	10.18070028	59
42	9.74097195	11484	9.92150734	5002	9.81946460	16487	10.18053539	58
43	9.74108679	11480	9.92145731	5004	9.81962948	16484	10.18037051	57
44	9.74120159	11475	9.92140726	5006	9.81979433	16482	10.18020566	56
45	9.74131635	11471	9.92135720	5008	9.81995915	16479	10.18004084	55
46	9.74143107	11467	9.92130711	5010	9.82012395	16477	10.17987604	54
47	9.74154574	11462	9.92125701	5012	9.82028872	16475	10.17971127	53
48	9.74166037	11458	9.92120689	5014	9.82045347	16472	10.17954652	52
49	9.74177495	11454	9.92115675	5016	9.82061820	16470	10.17938179	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.74188949	11449	9.92110558	5017	9.82078290	16467	10.17921709	50
51	9.74200399	11445	9.92105641	5019	9.82094758	16465	10.17905241	49
52	9.74211844	11441	9.92100621	5021	9.82111223	16462	10.17888776	48
53	9.74223285	11436	9.92095599	5023	9.82127686	16460	10.17872313	47
54	9.74234722	11432	9.92090575	5025	9.82144146	16457	10.17855853	46
55	9.74246155	11428	9.92085550	5027	9.82160604	16455	10.17839395	45
56	9.74257583	11423	9.92080522	5029	9.82177060	16453	10.17822939	44
57	9.74269006	11419	9.92075493	5031	9.82193513	16450	10.17806486	43
58	9.74280426	11415	9.92070462	5033	9.82209964	16448	10.17790035	42
59	9.74291841	11410	9.92065428	5035	9.82226412	16445	10.17773587	41
60	9.74303252	11406	9.92060393	5037	9.82242858	16443	10.17757141	40
61	9.74314658	11402	9.92055356	5038	9.82259302	16441	10.17740697	39
62	9.74326060	11397	9.92050317	5040	9.82275743	16438	10.17724256	38
63	9.74337458	11393	9.92045276	5042	9.82292181	16436	10.17707818	37
64	9.74348852	11389	9.92040234	5044	9.82308617	16433	10.17691382	36
65	9.74360241	11384	9.92035189	5046	9.82325051	16431	10.17674948	35
66	9.74371626	11380	9.92030143	5048	9.82341483	16429	10.17658516	34
67	9.74383006	11376	9.92025094	5050	9.82357912	16426	10.17642087	33
68	9.74394383	11371	9.92020044	5052	9.82374338	16424	10.17625661	32
69	9.74405755	11367	9.92014991	5054	9.82390763	16421	10.17609236	31
70	9.74417122	11363	9.92009937	5056	9.82407185	16419	10.17592814	30
71	9.74428486	11359	9.92004881	5058	9.82423604	16417	10.17576395	29
72	9.74439845	11354	9.91999823	5059	9.82440021	16414	10.17559978	28
73	9.74451200	11350	9.91994763	5061	9.82456436	16412	10.17543563	27
74	9.74462550	11346	9.91989701	5063	9.82472848	16409	10.17527151	26
75	9.74473896	11341	9.91984638	5065	9.82489258	16407	10.17510741	25
76	9.74485238	11337	9.91979572	5067	9.82505666	16405	10.17494333	24
77	9.74496576	11333	9.91974504	5069	9.82522071	16402	10.17477928	23
78	9.74507909	11329	9.91969435	5071	9.82538474	16400	10.17461525	22
79	9.74519238	11324	9.91964364	5073	9.82554874	16398	10.17445125	21
80	9.74530563	11320	9.91959290	5075	9.82571272	16395	10.17428727	20
81	9.74541884	11316	9.91954215	5077	9.82587668	16393	10.17412331	19
82	9.74553200	11311	9.91949138	5079	9.82604062	16391	10.17395937	18
83	9.74564512	11307	9.91944059	5080	9.82620453	16388	10.17379546	17
84	9.74575820	11303	9.91938978	5082	9.82636841	16386	10.17363158	16
85	9.74587123	11299	9.91933895	5084	9.82653228	16384	10.17346771	15
86	9.74598422	11294	9.91928810	5086	9.82669612	16381	10.17330387	14
87	9.74609717	11290	9.91923723	5088	9.82685994	16379	10.17314005	13
88	9.74621008	11286	9.91918635	5090	9.82702373	16376	10.17297626	12
89	9.74632294	11282	9.91913544	5092	9.82718750	16374	10.17281249	11
90	9.74643577	11277	9.91908452	5094	9.82735125	16372	10.17264874	10
91	9.74654854	11273	9.91903357	5096	9.82751497	16369	10.17248502	9
92	9.74666128	11269	9.91898261	5098	9.82767867	16367	10.17232132	8
93	9.74677398	11265	9.91893163	5100	9.82784235	16365	10.17215764	7
94	9.74688663	11260	9.91888062	5102	9.82800600	16363	10.17199399	6
95	9.74699924	11256	9.91882960	5104	9.82816963	16360	10.17183036	5
96	9.74711180	11252	9.91877856	5105	9.82833324	16358	10.17166675	4
97	9.74722433	11248	9.91872750	5107	9.82849682	16356	10.17150317	3
98	9.74733681	11243	9.91867642	5109	9.82866038	16353	10.17133961	2
99	9.74744925	11239	9.91862533	5111	9.82882392	16351	10.17117607	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.74756165	11235	9.91857421	5113	9.82898743	16349	10.17101256	100
1	9.74767400	11231	9.91852307	5115	9.82915092	16346	10.17084907	99
2	9.74778631	11227	9.91847192	5117	9.82931439	16344	10.17068560	98
3	9.74789858	11222	9.91842074	5119	9.82947784	16342	10.17052215	97
4	9.74801081	11218	9.91836955	5121	9.82964126	16339	10.17035872	96
5	9.74812300	11214	9.91831833	5123	9.82980466	16337	10.17019533	95
6	9.74823514	11210	9.91826710	5125	9.82996804	16335	10.17003195	94
7	9.74834724	11205	9.91821585	5127	9.83013139	16333	10.16986860	93
8	9.74845930	11201	9.91816458	5129	9.83029472	16330	10.16970527	92
9	9.74857132	11197	9.91811329	5130	9.83045803	16328	10.16954196	91
10	9.74868330	11193	9.91806198	5132	9.83062131	16326	10.16937868	90
11	9.74879523	11189	9.91801065	5134	9.83078458	16323	10.16921541	89
12	9.74890712	11184	9.91795930	5136	9.83094782	16321	10.16905217	88
13	9.74901897	11180	9.91790793	5138	9.83111103	16319	10.16888896	87
14	9.74913078	11176	9.91785654	5140	9.83127423	16317	10.16872576	86
15	9.74924254	11172	9.91780514	5142	9.83143740	16314	10.16856259	85
16	9.74935426	11168	9.91775371	5144	9.83160055	16312	10.16839944	84
17	9.74946595	11163	9.91770227	5146	9.83176367	16310	10.16823632	83
18	9.74957758	11159	9.91765080	5148	9.83192678	16308	10.16807321	82
19	9.74968918	11155	9.91759932	5150	9.83208986	16305	10.16791013	81
20	9.74980074	11151	9.91754782	5152	9.83225292	16303	10.16774707	80
21	9.74991225	11147	9.91749629	5154	9.83241595	16301	10.16758404	79
22	9.75002372	11142	9.91744475	5156	9.83257897	16299	10.16742102	78
23	9.75013515	11138	9.91739319	5158	9.83274196	16296	10.16725803	77
24	9.75024654	11134	9.91734161	5159	9.83290493	16294	10.16709506	76
25	9.75035789	11130	9.91729001	5161	9.83306787	16292	10.16693212	75
26	9.75046919	11126	9.91723839	5163	9.83323079	16290	10.16676920	74
27	9.75058045	11122	9.91718675	5165	9.83339370	16287	10.16660629	73
28	9.75069167	11117	9.91713509	5167	9.83355657	16285	10.16644342	72
29	9.75080285	11113	9.91708342	5169	9.83371943	16283	10.16628056	71
30	9.75091399	11109	9.91703172	5171	9.83388227	16281	10.16611772	70
31	9.75102509	11105	9.91698000	5173	9.83404508	16278	10.16595491	69
32	9.75113614	11101	9.91692827	5175	9.83420787	16276	10.16579212	68
33	9.75124715	11097	9.91687651	5177	9.83437063	16274	10.16562936	67
34	9.75135812	11092	9.91682474	5179	9.83453338	16272	10.16546661	66
35	9.75146905	11088	9.91677295	5181	9.83469610	16270	10.16530389	65
36	9.75157994	11084	9.91672113	5183	9.83485880	16267	10.16514119	64
37	9.75169079	11080	9.91666930	5185	9.83502148	16265	10.16497851	63
38	9.75180159	11076	9.91661745	5187	9.83518414	16263	10.16481585	62
39	9.75191236	11072	9.91656558	5189	9.83534677	16261	10.16465322	61
40	9.75202308	11068	9.91651369	5191	9.83550939	16259	10.16449060	60
41	9.75213376	11063	9.91646178	5192	9.83567198	16256	10.16432801	59
42	9.75224440	11059	9.91640985	5194	9.83583455	16254	10.16416544	58
43	9.75235500	11055	9.91635790	5196	9.83599709	16252	10.16400290	57
44	9.75246555	11051	9.91630593	5198	9.83615962	16250	10.16384037	56
45	9.75257607	11047	9.91625394	5200	9.83632212	16248	10.16367787	55
46	9.75268654	11043	9.91620193	5202	9.83648460	16245	10.16351539	54
47	9.75279697	11039	9.91614991	5204	9.83664706	16243	10.16335293	53
48	9.75290736	11034	9.91609786	5206	9.83680950	16241	10.16319049	52
49	9.75301771	11030	9.91604580	5208	9.83697191	16239	10.16302808	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.75312802	11026	9.91599371	5210	9.83713431	16237	10.16286568	50
51	9.75323829	11022	9.91594161	5212	9.83729668	16235	10.16270331	49
52	9.75334851	11018	9.91588948	5214	9.83745903	16232	10.16254096	48
53	9.75345870	11014	9.91583734	5216	9.83762136	16230	10.16237863	47
54	9.75356884	11010	9.91578517	5218	9.83778366	16228	10.16221633	46
55	9.75367895	11006	9.91573299	5220	9.83794595	16226	10.16205404	45
56	9.75378901	11002	9.91568079	5222	9.83810821	16224	10.16189178	44
57	9.75389903	10997	9.91562857	5224	9.83827045	16222	10.16172954	43
58	9.75400901	10993	9.91557633	5226	9.83843267	16219	10.16156732	42
59	9.75411894	10989	9.91552407	5228	9.83859487	16217	10.16140512	41
60	9.75422884	10985	9.91547179	5229	9.83875705	16215	10.16124294	40
61	9.75433870	10981	9.91541949	5231	9.83891921	16213	10.16108078	39
62	9.75444851	10977	9.91536717	5233	9.83908134	16211	10.16091865	38
63	9.75455829	10973	9.91531483	5235	9.83924345	16209	10.16075654	37
64	9.75466802	10969	9.91526247	5237	9.83940554	16206	10.16059445	36
65	9.75477771	10965	9.91521009	5239	9.83956761	16204	10.16043238	35
66	9.75488736	10961	9.91515769	5241	9.83972966	16202	10.16027033	34
67	9.75499697	10956	9.91510528	5243	9.83989169	16200	10.16010830	33
68	9.75510654	10952	9.91505284	5245	9.84005370	16198	10.15994629	32
69	9.75521607	10948	9.91500038	5247	9.84021568	16196	10.15978431	31
70	9.75532556	10944	9.91494791	5249	9.84037764	16194	10.15962235	30
71	9.75543500	10940	9.91489541	5251	9.84053959	16192	10.15946040	29
72	9.75554441	10936	9.91484290	5253	9.84070151	16189	10.15929848	28
73	9.75565378	10932	9.91479036	5255	9.84086341	16187	10.15913658	27
74	9.75576310	10928	9.91473781	5257	9.84102529	16185	10.15897470	26
75	9.75587238	10924	9.91468524	5259	9.84118714	16183	10.15881285	25
76	9.75598163	10920	9.91463264	5261	9.84134898	16181	10.15865101	24
77	9.75609083	10916	9.91458003	5263	9.84151079	16179	10.15848920	23
78	9.75619999	10912	9.91452740	5265	9.84167259	16177	10.15832740	22
79	9.75630911	10908	9.91447475	5267	9.84183436	16175	10.15816563	21
80	9.75641819	10903	9.91442207	5269	9.84199611	16173	10.15800388	20
81	9.75652723	10899	9.91436938	5271	9.84215784	16171	10.15784215	19
82	9.75663623	10895	9.91431667	5273	9.84231955	16168	10.15768044	18
83	9.75674519	10891	9.91426394	5275	9.84248124	16166	10.15751875	17
84	9.75685411	10887	9.91421119	5276	9.84264291	16164	10.15735708	16
85	9.75696299	10883	9.91415842	5278	9.84280456	16162	10.15719543	15
86	9.75707182	10879	9.91410563	5280	9.84296619	16160	10.15703380	14
87	9.75718062	10875	9.91405282	5282	9.84312779	16158	10.15687220	13
88	9.75728937	10871	9.91399999	5284	9.84328938	16156	10.15671061	12
89	9.75739809	10867	9.91394715	5286	9.84345094	16154	10.15654905	11
90	9.75750676	10863	9.91389428	5288	9.84361248	16152	10.15638751	10
91	9.75761540	10859	9.91384139	5290	9.84377400	16150	10.15622599	9
92	9.75772399	10855	9.91378848	5292	9.84393551	16148	10.15606448	8
93	9.75783255	10851	9.91373556	5294	9.84409699	16146	10.15590300	7
94	9.75794106	10847	9.91368261	5296	9.84425845	16143	10.15574154	6
95	9.75804953	10843	9.91362964	5298	9.84441989	16141	10.15558010	5
96	9.75815797	10839	9.91357666	5300	9.84458131	16139	10.15541868	4
97	9.75826636	10835	9.91352365	5302	9.84474270	16137	10.15525729	3
98	9.75837471	10831	9.91347062	5304	9.84490408	16135	10.15509591	2
99	9.75848302	10827	9.91341758	5306	9.84506544	16133	10.15493455	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.76921868	10430	9.90795764	5508	9.86126104	15938	10.13873895	100
1	9.76932299	10427	9.90790256	5510	9.86142043	15937	10.13857956	99
2	9.76942726	10423	9.90784746	5512	9.86157980	15935	10.13842019	98
3	9.76953149	10419	9.90779234	5514	9.86173915	15933	10.13826084	97
4	9.76963569	10415	9.90773719	5516	9.86189849	15931	10.13810150	96
5	9.76973984	10411	9.90768203	5518	9.86205780	15929	10.13794219	95
6	9.76984396	10407	9.90762685	5520	9.86221710	15928	10.13778289	94
7	9.76994804	10404	9.90757165	5522	9.86237639	15926	10.13762360	93
8	9.77005208	10400	9.90751642	5524	9.86253565	15924	10.13746434	92
9	9.77015608	10396	9.90746118	5526	9.86269490	15922	10.13730509	91
10	9.77026005	10392	9.90740592	5528	9.86285412	15921	10.13714587	9°
11	9.77036398	10388	9.90735063	5530	9.86301334	15919	10.13698665	89
12	9.77046786	10385	9.90729533	5532	9.86317253	15917	10.13682746	88
13	9.77057171	10381	9.90724001	5534	9.86333170	15915	10.13666829	87
14	9.77067553	10377	9.90718466	5536	9.86349086	15913	10.13650913	86
15	9.77077930	10373	9.90712930	5538	9.86365000	15912	10.13634999	85
16	9.77088304	10369	9.90707391	5540	9.86380912	15910	10.13619087	84
17	9.77098674	10366	9.90701851	5542	9.86396822	15908	10.13603177	83
18	9.77109040	10362	9.90696308	5544	9.86412731	15906	10.13587268	82
19	9.77119402	10358	9.90690764	5546	9.86428638	15905	10.13571361	81
20	9.77129761	10354	9.90685217	5548	9.86444543	15903	10.13555456	80
21	9.77140115	10350	9.90679668	5550	9.86460446	15901	10.13539553	79
22	9.77150466	10347	9.90674118	5552	9.86476348	15899	10.13523651	78
23	9.77160813	10343	9.90668565	5554	9.86492248	15898	10.13507751	77
24	9.77171157	10339	9.90663010	5556	9.86508146	15896	10.13491853	76
25	9.77181496	10335	9.90657454	5558	9.86524042	15894	10.13475957	75
26	9.77191832	10331	9.90651895	5560	9.86539937	15892	10.13460062	74
27	9.77202164	10328	9.90646334	5562	9.86555829	15891	10.13444170	73
28	9.77212492	10324	9.90640771	5564	9.86571720	15889	10.13428279	72
29	9.77222816	10320	9.90635206	5566	9.86587610	15887	10.13412389	71
30	9.77233137	10316	9.90629639	5568	9.86603497	15885	10.13396502	70
31	9.77243454	10313	9.90624070	5571	9.86619383	15884	10.13380616	69
32	9.77253767	10309	9.90618499	5573	9.86635267	15882	10.13364732	68
33	9.77264076	10305	9.90612926	5575	9.86651150	15880	10.13348849	67
34	9.77274382	10301	9.90607351	5577	9.86667030	15878	10.13332969	66
35	9.77284684	10298	9.90601774	5579	9.86682909	15877	10.13317090	65
36	9.77294982	10294	9.90596195	5581	9.86698786	15875	10.13301213	64
37	9.77305276	10290	9.90590613	5583	9.86714662	15873	10.13285337	63
38	9.77315566	10286	9.90585030	5585	9.86730536	15872	10.13269463	62
39	9.77325853	10282	9.90579445	5587	9.86746408	15870	10.13253591	61
40	9.77336136	10279	9.90573858	5589	9.86762278	15868	10.13237721	60°
41	9.77346415	10275	9.90568268	5591	9.86778146	15866	10.13221853	59
42	9.77356691	10271	9.90562677	5593	9.86794013	15865	10.13205986	58
43	9.77366962	10267	9.90557083	5595	9.86809879	15863	10.13190121	57
44	9.77377230	10264	9.90551488	5597	9.86825742	15861	10.13174257	56
45	9.77387494	10260	9.90545890	5599	9.86841604	15860	10.13158395	55
46	9.77397755	10256	9.90540291	5601	9.86857464	15858	10.13142535	54
47	9.77408012	10252	9.90534689	5603	9.86873322	15856	10.13126677	53
48	9.77418265	10249	9.90529085	5605	9.86889179	15854	10.13110820	52
49	9.77428514	10245	9.90523480	5607	9.86905034	15853	10.13094965	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.77438759	10241	9.90517872	5609	9.86920887	15851	10.13079112	50
51	9.77449001	10237	9.90512262	5611	9.86936739	15849	10.13063260	49
52	9.77459239	10234	9.90506650	5613	9.86952588	15848	10.13047411	48
53	9.77469473	10230	9.90501036	5615	9.86968437	15846	10.13031562	47
54	9.77479704	10226	9.90495420	5618	9.86984283	15844	10.13015716	46
55	9.77489931	10223	9.90489802	5620	9.87000128	15843	10.12999871	45
56	9.77500154	10219	9.90484182	5622	9.87015971	15841	10.12984028	44
57	9.77510373	10215	9.90478560	5624	9.87031813	15839	10.12968186	43
58	9.77520589	10211	9.90472936	5626	9.87047652	15838	10.12952347	42
59	9.77530800	10208	9.90467310	5628	9.87063490	15836	10.12936509	41
60	9.77541009	10204	9.90461681	5630	9.87079327	15834	10.12920672	40
61	9.77551213	10200	9.90456051	5632	9.87095162	15833	10.12904837	39
62	9.77561414	10197	9.90450419	5634	9.87110995	15831	10.12889004	38
63	9.77571611	10193	9.90444784	5636	9.87126826	15829	10.12873173	37
64	9.77581804	10189	9.90439148	5638	9.87142656	15828	10.12857343	36
65	9.77591994	10185	9.90433509	5640	9.87158484	15826	10.12841515	35
66	9.77602180	10182	9.90427868	5642	9.87174311	15824	10.12825688	34
67	9.77612362	10178	9.90422226	5644	9.87190135	15823	10.12809864	33
68	9.77622540	10174	9.90416581	5646	9.87205959	15821	10.12794040	32
69	9.77632715	10171	9.90410934	5648	9.87221780	15819	10.12778219	31
70	9.77642886	10167	9.90405285	5650	9.87237600	15818	10.12762399	30
71	9.77653053	10163	9.90399635	5652	9.87253418	15816	10.12746581	29
72	9.77663217	10159	9.90393982	5655	9.87269235	15814	10.12730764	28
73	9.77673377	10156	9.90388327	5657	9.87285050	15813	10.12714949	27
74	9.77683533	10152	9.90382670	5659	9.87300863	15811	10.12699136	26
75	9.77693685	10148	9.90377010	5661	9.87316675	15810	10.12683324	25
76	9.77703834	10145	9.90371349	5663	9.87332485	15808	10.12667514	24
77	9.77713979	10141	9.90365686	5665	9.87348293	15806	10.12651706	23
78	9.77724121	10137	9.90360021	5667	9.87364100	15805	10.12635899	22
79	9.77734259	10134	9.90354353	5669	9.87379905	15803	10.12620094	21
80	9.77744393	10130	9.90348684	5671	9.87395708	15801	10.12604291	20
81	9.77754523	10126	9.90343012	5673	9.87411510	15800	10.12588489	19
82	9.77764650	10123	9.90337339	5675	9.87427310	15798	10.12572689	18
83	9.77774773	10119	9.90331663	5677	9.87443109	15797	10.12556890	17
84	9.77784892	10115	9.90325985	5679	9.87458906	15795	10.12541093	16
85	9.77795008	10111	9.90320306	5681	9.87474702	15793	10.12525298	15
86	9.77805120	10108	9.90314624	5683	9.87490495	15792	10.12509504	14
87	9.77815228	10104	9.90308940	5685	9.87506287	15790	10.12493712	13
88	9.77825333	10100	9.90303254	5688	9.87522078	15788	10.12477921	12
89	9.77835434	10097	9.90297566	5690	9.87537867	15787	10.12462132	11
90	9.77845531	10093	9.90291876	5692	9.87553654	15785	10.12446345	10
91	9.77855624	10089	9.90286184	5694	9.87569440	15784	10.12430559	9
92	9.77865714	10086	9.90280490	5696	9.87585224	15782	10.12414775	8
93	9.77875801	10082	9.90274793	5698	9.87601007	15780	10.12398992	7
94	9.77885883	10078	9.90269095	5700	9.87616788	15779	10.12383211	6
95	9.77895962	10075	9.90263394	5702	9.87632567	15777	10.12367432	5
96	9.77906037	10071	9.90257692	5704	9.87648345	15776	10.12351654	4
97	9.77916109	10067	9.90251987	5706	9.87664121	15774	10.12335878	3
98	9.77926177	10064	9.90246281	5708	9.87679896	15773	10.12320103	2
99	9.77936241	10060	9.90240572	5710	9.87695669	15771	10.12304330	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.77946302	10056	9.90234861	5712	9.87711440	15769	10.12288559	100
1	9.77956359	10053	9.90229148	5714	9.87727210	15768	10.12272789	99
2	9.77966412	10049	9.90223433	5717	9.87742979	15766	10.12257020	98
3	9.77976462	10046	9.90217716	5719	9.87758745	15765	10.12241254	97
4	9.77986508	10042	9.90211997	5721	9.87774510	15763	10.12225489	96
5	9.77996550	10038	9.90206276	5723	9.87790274	15762	10.12209725	95
6	9.78006589	10035	9.90200553	5725	9.87806036	15760	10.12193963	94
7	9.78016624	10031	9.90194827	5727	9.87821796	15758	10.12178203	93
8	9.78026656	10027	9.90189100	5729	9.87837555	15757	10.12162444	92
9	9.78036684	10024	9.90183371	5731	9.87853313	15755	10.12146686	91
10	9.78046708	10020	9.90177639	5733	9.87869068	15754	10.12130931	90
11	9.78056728	10016	9.90171905	5735	9.87884823	15752	10.12115176	89
12	9.78066745	10013	9.90166170	5737	9.87900575	15751	10.12099424	88
13	9.78076759	10009	9.90160432	5739	9.87916326	15749	10.12083673	87
14	9.78086768	10006	9.90154692	5741	9.87932076	15748	10.12067923	86
15	9.78096774	10002	9.90148950	5744	9.87947824	15746	10.12052175	85
16	9.78106777	9998	9.90143205	5746	9.87963570	15744	10.12036429	84
17	9.78116776	9995	9.90137460	5748	9.87979315	15743	10.12020684	83
18	9.78126771	9991	9.90131711	5750	9.87995059	15741	10.12004940	82
19	9.78136762	9987	9.90125961	5752	9.88010801	15740	10.11989198	81
20	9.78146750	9984	9.90120209	5754	9.88026541	15738	10.11973458	80
21	9.78156735	9980	9.90114454	5756	9.88042280	15737	10.11957719	79
22	9.78166715	9977	9.90108698	5758	9.88058017	15735	10.11941982	78
23	9.78176692	9973	9.90102939	5760	9.88073753	15734	10.11926246	77
24	9.78186666	9969	9.90097178	5762	9.88089487	15732	10.11910512	76
25	9.78196636	9966	9.90091416	5764	9.88105220	15731	10.11894779	75
26	9.78206602	9962	9.90085651	5766	9.88120951	15729	10.11879048	74
27	9.78216564	9959	9.90079884	5769	9.88136680	15728	10.11863319	73
28	9.78226523	9955	9.90074115	5771	9.88152408	15726	10.11847591	72
29	9.78236479	9951	9.90068343	5773	9.88168135	15725	10.11831864	71
30	9.78246431	9948	9.90062570	5775	9.88183860	15723	10.11816139	70
31	9.78256379	9944	9.90056795	5777	9.88199584	15722	10.11800415	69
32	9.78266323	9940	9.90051017	5779	9.88215306	15720	10.11784693	68
33	9.78276264	9937	9.90045238	5781	9.88231026	15719	10.11768973	67
34	9.78286202	9933	9.90039456	5783	9.88246745	15717	10.11753254	66
35	9.78296136	9930	9.90033672	5785	9.88262463	15716	10.11737536	65
36	9.78306066	9926	9.90027887	5787	9.88278179	15714	10.11721820	64
37	9.78315992	9923	9.90022099	5790	9.88293893	15713	10.11706106	63
38	9.78325915	9919	9.90016309	5792	9.88309606	15711	10.11690393	62
39	9.78335835	9915	9.90010517	5794	9.88325318	15710	10.11674681	61
40	9.78345751	9912	9.90004722	5796	9.88341028	15708	10.11658971	60
41	9.78355663	9908	9.89998926	5798	9.88356736	15707	10.11643263	59
42	9.78365572	9905	9.89993128	5800	9.88372444	15705	10.11627555	58
43	9.78375477	9901	9.89987327	5802	9.88388149	15704	10.11611850	57
44	9.78385378	9897	9.89981525	5804	9.88403853	15702	10.11596146	56
45	9.78395276	9894	9.89975720	5806	9.88419556	15701	10.11580443	55
46	9.78405171	9890	9.89969913	5808	9.88435257	15699	10.11564742	54
47	9.78415061	9887	9.89964104	5810	9.88450957	15698	10.11549042	53
48	9.78424949	9883	9.89958293	5813	9.88466655	15696	10.11533344	52
49	9.78434832	9880	9.89952480	5815	9.88482352	15695	10.11517647	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.78444712	9876	9.89946665	5817	9.88498047	15693	10.11501952	50
51	9.78454589	9872	9.89940848	5819	9.88513741	15692	10.11486258	49
52	9.78464462	9869	9.89935028	5821	9.88529433	15690	10.11470566	48
53	9.78474331	9865	9.89929207	5823	9.88545124	15689	10.11454875	47
54	9.78484197	9862	9.89923383	5825	9.88560813	15687	10.11439186	46
55	9.78494059	9858	9.89917557	5827	9.88576501	15686	10.11423498	45
56	9.78503918	9855	9.89911730	5829	9.88592188	15685	10.11407811	44
57	9.78513773	9851	9.89905900	5832	9.88607873	15683	10.11392126	43
58	9.78523624	9847	9.89900068	5834	9.88623556	15682	10.11376443	42
59	9.78533472	9844	9.89894234	5836	9.88639238	15680	10.11360761	41
60	9.78543317	9840	9.89888397	5838	9.88654919	15679	10.11345080	40
61	9.78553158	9837	9.89882559	5840	9.88670598	15677	10.11329401	39
62	9.78562995	9833	9.89876719	5842	9.88686276	15676	10.11313723	38
63	9.78572829	9830	9.89870876	5844	9.88701952	15674	10.11298047	37
64	9.78582659	9826	9.89865031	5846	9.88717627	15673	10.11282372	36
65	9.78592486	9823	9.89859185	5848	9.88733301	15672	10.11266698	35
66	9.78602309	9819	9.89853336	5850	9.88748973	15670	10.11251026	34
67	9.78612128	9816	9.89847485	5853	9.88764643	15669	10.11235356	33
68	9.78621945	9812	9.89841632	5855	9.88780312	15667	10.11219687	32
69	9.78631757	9808	9.89835776	5857	9.88795980	15666	10.11204019	31
70	9.78641566	9805	9.89829919	5859	9.88811646	15664	10.11188353	30
71	9.78651371	9801	9.89824060	5861	9.88827311	15663	10.11172688	29
72	9.78661173	9798	9.89818198	5863	9.88842975	15662	10.11157024	28
73	9.78670972	9794	9.89812334	5865	9.88858637	15660	10.11141362	27
74	9.78680767	9791	9.89806469	5867	9.88874297	15659	10.11125702	26
75	9.78690558	9787	9.89800601	5870	9.88889957	15657	10.11110042	25
76	9.78700346	9784	9.89794731	5872	9.88905614	15656	10.11094385	24
77	9.78710130	9780	9.89788859	5874	9.88921271	15654	10.11078728	23
78	9.78719911	9777	9.89782984	5876	9.88936926	15653	10.11063073	22
79	9.78729688	9773	9.89777108	5878	9.88952579	15652	10.11047420	21
80	9.78739461	9770	9.89771229	5880	9.88968232	15650	10.11031767	20
81	9.78749232	9766	9.89765349	5882	9.88983882	15649	10.11016117	19
82	9.78758998	9763	9.89759466	5884	9.88999532	15647	10.11000467	18
83	9.78768761	9759	9.89753581	5886	9.89015180	15646	10.10984819	17
84	9.78778521	9756	9.89747694	5889	9.89030826	15645	10.10969173	16
85	9.78788277	9752	9.89741805	5891	9.89046471	15643	10.10953528	15
86	9.78798030	9749	9.89735914	5893	9.89062115	15642	10.10937884	14
87	9.78807779	9745	9.89730021	5895	9.89077757	15640	10.10922242	13
88	9.78817524	9742	9.89724125	5897	9.89093398	15639	10.10906601	12
89	9.78827266	9738	9.89718228	5899	9.89109038	15638	10.10890961	11
90	9.78837005	9735	9.89712328	5901	9.89124676	15636	10.10875323	10
91	9.78846740	9731	9.89706426	5903	9.89140313	15635	10.10859686	9
92	9.78856471	9728	9.89700522	5906	9.89155949	15634	10.10844050	8
93	9.78866199	9724	9.89694616	5908	9.89171583	15632	10.10828416	7
94	9.78875924	9721	9.89688708	5910	9.89187215	15631	10.10812784	6
95	9.78885645	9717	9.89682798	5912	9.89202847	15629	10.10797152	5
96	9.78895362	9714	9.89676885	5914	9.89218477	15628	10.10781522	4
97	9.78905076	9710	9.89670970	5916	9.89234105	15627	10.10765894	3
98	9.78914787	9707	9.89665054	5918	9.89249733	15625	10.10750266	2
99	9.78924494	9703	9.89659135	5920	9.89265358	15624	10.10734641	1
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.78934197	9700	9.89653214	5923	9.89280983	15623	10.10719016	100
1	9.78943897	9696	9.89647291	5925	9.89296606	15621	10.10703393	99
2	9.78953594	9693	9.89641366	5927	9.89312228	15620	10.10687771	98
3	9.78963287	9689	9.89635438	5929	9.89327848	15619	10.10672151	97
4	9.78972977	9686	9.89629509	5931	9.89343467	15617	10.10656532	96
5	9.78982663	9682	9.89623577	5933	9.89359085	15616	10.10640914	95
6	9.78992345	9679	9.89617643	5935	9.89374702	15615	10.10625297	94
7	9.79002024	9675	9.89611707	5938	9.89390317	15613	10.10609682	93
8	9.79011700	9672	9.89605769	5940	9.89405930	15612	10.10594069	92
9	9.79021372	9668	9.89599829	5942	9.89421543	15611	10.10578456	91
10	9.79031041	9665	9.89593887	5944	9.89437154	15609	10.10562845	90
11	9.79040706	9661	9.89587942	5946	9.89452763	15608	10.10547236	89
12	9.79050368	9658	9.89581996	5948	9.89468372	15607	10.10531627	88
13	9.79060026	9654	9.89576047	5950	9.89483979	15605	10.10516020	87
14	9.79069681	9651	9.89570096	5952	9.89499584	15604	10.10500415	86
15	9.79079332	9647	9.89564143	5955	9.89515189	15603	10.10484810	85
16	9.79088980	9644	9.89558188	5957	9.89530792	15601	10.10469207	84
17	9.79098625	9640	9.89552231	5959	9.89546393	15600	10.10453606	83
18	9.79108266	9637	9.89546271	5961	9.89561994	15599	10.10438005	82
19	9.79117903	9634	9.89540310	5963	9.89577593	15597	10.10422406	81
20	9.79127537	9630	9.89534346	5965	9.89593190	15596	10.10406809	80
21	9.79137168	9627	9.89528380	5967	9.89608787	15595	10.10391212	79
22	9.79146795	9623	9.89522412	5970	9.89624382	15593	10.10375617	78
23	9.79156419	9620	9.89516442	5972	9.89639976	15592	10.10360023	77
24	9.79166039	9616	9.89510470	5974	9.89655568	15591	10.10344431	76
25	9.79175655	9613	9.89504496	5976	9.89671159	15589	10.10328840	75
26	9.79185269	9609	9.89498519	5978	9.89686749	15588	10.10313250	74
27	9.79194879	9606	9.89492540	5980	9.89702338	15587	10.10297661	73
28	9.79204485	9602	9.89486559	5982	9.89717925	15585	10.10282074	72
29	9.79214088	9599	9.89480576	5985	9.89733511	15584	10.10266488	71
30	9.79223687	9596	9.89474591	5987	9.89749096	15583	10.10250903	70
31	9.79233283	9592	9.89468604	5989	9.89764679	15582	10.10235320	69
32	9.79242876	9589	9.89462615	5991	9.89780261	15580	10.10219738	68
33	9.79252465	9585	9.89456623	5993	9.89795842	15579	10.10204157	67
34	9.79262051	9582	9.89450629	5995	9.89811421	15578	10.10188578	66
35	9.79271633	9578	9.89444633	5998	9.89826999	15576	10.10173000	65
36	9.79281212	9575	9.89438635	6000	9.89842576	15575	10.10157423	64
37	9.79290788	9571	9.89432635	6002	9.89858152	15574	10.10141847	63
38	9.79300360	9568	9.89426633	6004	9.89873726	15573	10.10126273	62
39	9.79309928	9565	9.89420628	6006	9.89889299	15571	10.10110700	61
40	9.79319493	9561	9.89414622	6008	9.89904871	15570	10.10095128	60
41	9.79329055	9558	9.89408613	6010	9.89920442	15569	10.10079557	59
42	9.79338613	9554	9.89402602	6013	9.89936011	15567	10.10063988	58
43	9.79348168	9551	9.89396589	6015	9.89951579	15566	10.10048420	57
44	9.79357719	9547	9.89390573	6017	9.89967146	15565	10.10032853	56
45	9.79367267	9544	9.89384556	6019	9.89982711	15564	10.10017288	55
46	9.79376812	9541	9.89378536	6021	9.89998275	15562	10.10001724	54
47	9.79386353	9537	9.89372515	6023	9.90013838	15561	10.09986161	53
48	9.79395891	9534	9.89366491	6026	9.90029400	15560	10.09970599	52
49	9.79405425	9530	9.89360465	6028	9.90044960	15559	10.09955039	51
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.79414956	9527	9.89354437	6030	9.90060519	15557	10.09939480	56
51	9.79424484	9524	9.89348405	6032	9.90076077	15556	10.09923922	49
52	9.79434008	9520	9.89342374	6034	9.90091634	15555	10.09908365	48
53	9.79443528	9517	9.89336339	6036	9.90107189	15554	10.09892810	47
54	9.79453046	9513	9.89330362	6039	9.90122743	15552	10.09877256	46
55	9.79462560	9510	9.89324263	6041	9.90138296	15551	10.09861703	45
56	9.79472070	9507	9.89318222	6043	9.90153848	15550	10.09846151	44
57	9.79481577	9503	9.89312178	6045	9.90169398	15549	10.09830601	43
58	9.79491081	9500	9.89306133	6047	9.90184947	15547	10.09815052	42
59	9.79500581	9496	9.89300085	6049	9.90200495	15546	10.09799504	41
60	9.79510078	9493	9.89294035	6052	9.90216042	15545	10.09783957	40
61	9.79519571	9490	9.89287983	6054	9.90231587	15544	10.09768412	39
62	9.79529061	9486	9.89281929	6056	9.90247132	15542	10.09752867	38
63	9.79538548	9483	9.89275873	6058	9.90262675	15541	10.09773324	37
64	9.79548031	9479	9.89269814	6060	9.90278216	15540	10.09721783	36
65	9.79557511	9476	9.89263754	6062	9.90293757	15539	10.09706242	35
66	9.79566987	9473	9.89257691	6065	9.90309296	15538	10.09690703	34
67	9.79576461	9469	9.89251626	6067	9.90324834	15536	10.09675165	33
68	9.79585930	9466	9.89245559	6069	9.90340371	15535	10.09659628	32
69	9.79595397	9462	9.89239489	6071	9.90355907	15534	10.09644092	31
70	9.79604859	9459	9.89233418	6073	9.90371441	15533	10.09628558	30
71	9.79614319	9456	9.89227344	6075	9.90386974	15532	10.09613025	29
72	9.79623775	9452	9.89221268	6078	9.90402507	15530	10.09597493	28
73	9.79633228	9449	9.89215190	6080	9.90418037	15529	10.09581962	27
74	9.79642677	9446	9.89209110	6082	9.90433567	15528	10.09566432	26
75	9.79652123	9442	9.89203027	6084	9.90449095	15527	10.09550904	25
76	9.79661566	9439	9.89196943	6086	9.90464623	15526	10.09535376	24
77	9.79671005	9435	9.89190856	6088	9.90480149	15524	10.09519850	23
78	9.79680441	9432	9.89184767	6091	9.90495673	15523	10.09504326	22
79	9.79689874	9429	9.89178676	6093	9.90511197	15522	10.09488802	21
80	9.79699303	9425	9.89172583	6095	9.90526719	15521	10.09473280	20
81	9.79708728	9422	9.89166487	6097	9.90542241	15520	10.09457758	19
82	9.79718151	9419	9.89160390	6099	9.90557761	15518	10.09442238	18
83	9.79727570	9415	9.89154290	6101	9.90573280	15517	10.09426719	17
84	9.79736986	9412	9.89148188	6104	9.90588797	15516	10.09411202	16
85	9.79746398	9408	9.89142084	6106	9.90604314	15515	10.09395685	15
86	9.79755807	9405	9.89135977	6108	9.90619829	15514	10.09380170	14
87	9.79765212	9402	9.89129869	6110	9.90635343	15512	10.09364656	13
88	9.79774615	9398	9.89123758	6112	9.90650856	15511	10.09349143	12
89	9.79784014	9395	9.89117645	6115	9.90666368	15510	10.09333631	11
90	9.79793409	9392	9.89111530	6117	9.90681878	15509	10.09318121	10
91	9.79802801	9388	9.89105413	6119	9.90697388	15508	10.09302611	9
92	9.79812190	9385	9.89099293	6121	9.90712896	15507	10.09287103	8
93	9.79821575	9382	9.89093172	6123	9.90728403	15505	10.09271596	7
94	9.79830958	9378	9.89087048	6126	9.90743909	15504	10.09256090	6
95	9.79840336	9375	9.89080922	6128	9.90759414	15503	10.09240585	5
96	9.79849712	9372	9.89074794	6130	9.90774918	15502	10.09225081	4
97	9.79859084	9368	9.89068663	6132	9.90790420	15501	10.09209579	3
98	9.79868452	9365	9.89062531	6134	9.90805921	15500	10.09194078	2
99	9.79877818	9362	9.89056396	6136	9.90821421	15498	10.09178578	1
			Sinus	Diff.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.79887180	9358	9.89050259	6139	9.90836920	15497	10.09163079	100
1	9.79896539	9355	9.89044120	6141	9.90852418	15496	10.09147581	99
2	9.79905894	9352	9.89037978	6143	9.90867915	15495	10.09132084	98
3	9.79915246	9348	9.89031835	6145	9.90883411	15494	10.09116588	97
4	9.79924595	9345	9.89025689	6147	9.90898905	15493	10.09101094	96
5	9.79933940	9342	9.89019541	6150	9.90914398	15492	10.09085601	95
6	9.79943282	9338	9.89013391	6152	9.90929890	15490	10.09070109	94
7	9.79952621	9335	9.89007239	6154	9.90945381	15489	10.09054618	93
8	9.79961956	9332	9.89001084	6156	9.90960871	15488	10.09039128	92
9	9.79971288	9328	9.88994928	6158	9.90976360	15487	10.09023639	91
10	9.79980617	9325	9.88988769	6161	9.90991847	15486	10.09008152	90
11	9.79989942	9322	9.88982608	6163	9.91007334	15485	10.08992665	89
12	9.79999264	9318	9.88976444	6165	9.91022819	15484	10.08977180	88
13	9.80008583	9315	9.88970279	6167	9.91038303	15483	10.08961696	87
14	9.80017898	9312	9.88964111	6169	9.91053786	15481	10.08946213	86
15	9.80027210	9308	9.88957941	6172	9.91069268	15480	10.08930731	85
16	9.80036519	9305	9.88951769	6174	9.91084749	15479	10.08915250	84
17	9.80045824	9302	9.88945595	6176	9.91100229	15478	10.08899770	83
18	9.80055127	9298	9.88939418	6178	9.91115708	15477	10.08884291	82
19	9.80064425	9295	9.88933240	6180	9.91131185	15476	10.08868814	81
20	9.80073721	9292	9.88927059	6183	9.91146661	15475	10.08853338	80
21	9.80083013	9288	9.88920876	6185	9.91162137	15474	10.08837862	79
22	9.80092302	9285	9.88914691	6187	9.91177611	15473	10.08822388	78
23	9.80101588	9282	9.88908503	6189	9.91193084	15471	10.08806915	77
24	9.80110870	9278	9.88902313	6191	9.91208556	15470	10.08791443	76
25	9.80120149	9275	9.88896121	6194	9.91224027	15469	10.08775972	75
26	9.80129424	9272	9.88889927	6196	9.91239497	15468	10.08760502	74
27	9.80138697	9269	9.88883731	6198	9.91254965	15467	10.08745034	73
28	9.80147966	9265	9.88877532	6200	9.91270433	15466	10.08729566	72
29	9.80157231	9262	9.88871332	6202	9.91285899	15465	10.08714100	71
30	9.80166494	9259	9.88865129	6205	9.91301365	15464	10.08698634	70
31	9.80175753	9255	9.88858924	6207	9.91316829	15463	10.08683170	69
32	9.80185009	9252	9.88852716	6209	9.91332292	15462	10.08667707	68
33	9.80194261	9249	9.88846507	6211	9.91347754	15461	10.08652245	67
34	9.80203511	9245	9.88840295	6213	9.91363215	15459	10.08636784	66
35	9.80212757	9242	9.88834081	6216	9.91378675	15458	10.08621324	65
36	9.80221999	9239	9.88827865	6218	9.91394134	15457	10.08605865	64
37	9.80231239	9236	9.88821646	6220	9.91409592	15456	10.08590407	63
38	9.80240475	9232	9.88815426	6222	9.91425049	15455	10.08574950	62
39	9.80249708	9229	9.88809203	6225	9.91440504	15454	10.08559495	61
40	9.80258937	9226	9.88802978	6227	9.91455959	15453	10.08544040	60
41	9.80268163	9222	9.88796750	6229	9.91471413	15452	10.08528587	59
42	9.80277386	9219	9.88790521	6231	9.91486865	15451	10.08513134	58
43	9.80286606	9216	9.88784289	6233	9.91502316	15450	10.08497683	57
44	9.80295822	9213	9.88778055	6236	9.91517767	15449	10.08482232	56
45	9.80305036	9209	9.88771819	6238	9.91533216	15448	10.08466783	55
46	9.80314245	9206	9.88765581	6240	9.91548664	15447	10.08451335	54
47	9.80323452	9203	9.88759340	6242	9.91564111	15446	10.08435888	53
48	9.80332655	9200	9.88753097	6245	9.91579557	15445	10.08420442	52
49	9.80341855	9196	9.88746852	6247	9.91595002	15444	10.08404997	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.80351052	9193	9.88740605	6249	9.91610446	15442	10.08389553	50
51	9.80360246	9190	9.88734356	6251	9.91625889	15441	10.08374110	49
52	9.80369436	9186	9.88728104	6253	9.91641331	15440	10.08358668	48
53	9.80378623	9183	9.88721850	6256	9.91656772	15439	10.08343227	47
54	9.80387806	9180	9.88715594	6258	9.91672212	15438	10.08327787	46
55	9.80396987	9177	9.88709335	6260	9.91687651	15437	10.08312348	45
56	9.80406164	9173	9.88703075	6262	9.91703089	15436	10.08296910	44
57	9.80415338	9170	9.88696812	6265	9.91718525	15435	10.08281474	43
58	9.80424508	9167	9.88690547	6267	9.91733961	15434	10.08266038	42
59	9.80433676	9164	9.88684280	6269	9.91749396	15433	10.08250603	41
60	9.80442840	9160	9.88678010	6271	9.91764829	15432	10.08235170	40
61	9.80452001	9157	9.88671739	6273	9.91780262	15431	10.08219737	39
62	9.80461158	9154	9.88665465	6276	9.91795693	15430	10.08204306	38
63	9.80470313	9151	9.88659188	6278	9.91811124	15429	10.08188875	37
64	9.80479464	9147	9.88652910	6280	9.91826553	15428	10.08173446	36
65	9.80488612	9144	9.88646629	6282	9.91841982	15427	10.08158017	35
66	9.80497756	9141	9.88640346	6285	9.91857409	15426	10.08142590	34
67	9.80506898	9138	9.88634061	6287	9.91872836	15425	10.08127163	33
68	9.80516036	9134	9.88627774	6289	9.91888261	15424	10.08111738	32
69	9.80525171	9131	9.88621484	6291	9.91903686	15423	10.08096313	31
70	9.80534302	9128	9.88615193	6294	9.91919109	15422	10.08080890	30
71	9.80543431	9125	9.88608899	6296	9.91934532	15421	10.08065467	29
72	9.80552556	9121	9.88602602	6298	9.91949953	15420	10.08050046	28
73	9.80561678	9118	9.88596304	6300	9.91965373	15419	10.08034626	27
74	9.80570796	9115	9.88590003	6302	9.91980793	15418	10.08019206	26
75	9.80579912	9112	9.88583700	6305	9.91996211	15417	10.08003788	25
76	9.80589024	9108	9.88577395	6307	9.92011629	15416	10.07988370	24
77	9.80598133	9105	9.88571087	6309	9.92027045	15415	10.07972954	23
78	9.80607239	9102	9.88564778	6311	9.92042460	15414	10.07957539	22
79	9.80616341	9099	9.88558466	6314	9.92057875	15413	10.07942124	21
80	9.80625440	9096	9.88552151	6316	9.92073288	15412	10.07926711	20
81	9.80634536	9092	9.88545835	6318	9.92088701	15411	10.07911298	19
82	9.80643629	9089	9.88539516	6320	9.92104112	15410	10.07895887	18
83	9.80652719	9086	9.88533195	6323	9.92119523	15409	10.07880476	17
84	9.80661805	9083	9.88526872	6325	9.92134932	15408	10.07865067	16
85	9.80670888	9079	9.88520547	6327	9.92150341	15407	10.07849658	15
86	9.80679968	9076	9.88514219	6329	9.92165748	15406	10.07834251	14
87	9.80689045	9073	9.88507889	6332	9.92181155	15405	10.07818844	13
88	9.80698118	9070	9.88501557	6334	9.92196561	15404	10.07803438	12
89	9.80707188	9067	9.88495223	6336	9.92211965	15403	10.07788034	11
90	9.80716256	9063	9.88488886	6338	9.92227369	15402	10.07772630	10
91	9.80725319	9060	9.88482547	6341	9.92242772	15401	10.07757228	9
92	9.80734380	9057	9.88476206	6343	9.92258173	15400	10.07741826	8
93	9.80743437	9054	9.88469863	6345	9.92273574	15399	10.07726425	7
94	9.80752491	9050	9.88463517	6347	9.92288974	15398	10.07711025	6
95	9.80761542	9047	9.88457169	6350	9.92304373	15397	10.07695626	5
96	9.80770590	9044	9.88450819	6352	9.92319771	15396	10.07680228	4
97	9.80779635	9041	9.88444467	6354	9.92335167	15395	10.07664832	3
98	9.80788676	9038	9.88438112	6356	9.92350563	15395	10.07649436	2
99	9.80797714	9034	9.88431755	6359	9.92365958	15394	10.07634041	1
			Sinus	Diff.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.80806749	9031	9.88425396	6361	9.92381353	15393	10.07618646	100
1	9.80815781	9028	9.88419035	6363	9.92396746	15392	10.07603253	99
2	9.80824809	9025	9.88412671	6365	9.92412138	15391	10.07587861	98
3	9.80833835	9022	9.88406305	6368	9.92427529	15390	10.07572470	97
4	9.80842857	9018	9.88399937	6370	9.92442919	15389	10.07557080	96
5	9.80851876	9015	9.88393567	6372	9.92458309	15388	10.07541690	95
6	9.80860892	9012	9.88387194	6374	9.93473697	15387	10.07526302	94
7	9.80869904	9009	9.88380819	6377	9.92489085	15386	10.07510914	93
8	9.80878914	9006	9.88374442	6379	9.92504471	15385	10.07495528	92
9	9.80887920	9002	9.88368062	6381	9.92519857	15384	10.07480142	91
10	9.80896923	8999	9.88361681	6383	9.92535241	15383	10.07464758	90
11	9.80905922	8996	9.88355297	6386	9.92550625	15382	10.07449374	89
12	9.80914919	8993	9.88348910	6388	9.92566008	15381	10.07433991	88
13	9.80923912	8990	9.88342522	6390	9.92581390	15380	10.07418609	87
14	9.80932903	8987	9.88336131	6393	9.92596771	15380	10.07403228	86
15	9.80941890	8983	9.88329738	6395	9.92612151	15379	10.07387848	85
16	9.80950874	8980	9.88323343	6397	9.92627530	15378	10.07372469	84
17	9.80959854	8977	9.88316945	6399	9.92642908	15377	10.07357091	83
18	9.80968832	8974	9.88310546	6402	9.92658286	15376	10.07341713	82
19	9.80977806	8971	9.88304143	6404	9.92673662	15375	10.07326337	81
20	9.80985777	8967	9.88297739	6406	9.92689038	15374	10.07310961	80
21	9.80995745	8964	9.88291332	6408	9.92704412	15373	10.07295587	79
22	9.81004710	8961	9.88284924	6411	9.92719786	15372	10.07280213	78
23	9.81013672	8958	9.88278512	6413	9.92735159	15371	10.07264840	77
24	9.81022630	8955	9.88272099	6415	9.92750531	15370	10.07249468	76
25	9.81031585	8952	9.88265683	6417	9.92765902	15370	10.07234097	75
26	9.81040538	8948	9.88259265	6420	9.92781272	15369	10.07218727	74
27	9.81049487	8945	9.88252845	6422	9.92796641	15368	10.07203358	73
28	9.81058432	8942	9.88246423	6424	9.92812009	15367	10.07187990	72
29	9.81067375	8939	9.88239998	6427	9.92827377	15366	10.07172622	71
30	9.81076314	8936	9.88233571	6429	9.92842743	15365	10.07157256	70
31	9.81085251	8933	9.88227141	6431	9.92858109	15364	10.07141890	69
32	9.81094184	8929	9.88220710	6433	9.92873473	15363	10.07126526	68
33	9.81103114	8926	9.88214276	6436	9.92888837	15362	10.07111162	67
34	9.81112041	8923	9.88207840	6438	9.92904200	15362	10.07095799	66
35	9.81120964	8920	9.88201401	6440	9.92919562	15361	10.07080437	65
36	9.81129885	8917	9.88194961	6442	9.92934924	15360	10.07065075	64
37	9.81138802	8914	9.88188518	6445	9.92950284	15359	10.07049715	63
38	9.81147716	8911	9.88182072	6447	9.92965643	15358	10.07034356	62
39	9.81156627	8907	9.88175625	6449	9.92981002	15357	10.07018997	61
40	9.81165535	8904	9.88169175	6452	9.92996360	15356	10.07003639	60
41	9.81174440	8901	9.88162723	6454	9.93011717	15355	10.06988282	59
42	9.81183342	8898	9.88156268	6456	9.93027073	15355	10.06972926	58
43	9.81192249	8895	9.88149812	6458	9.93042428	15354	10.06957571	57
44	9.81201135	8892	9.88143353	6461	9.93057782	15353	10.06942217	56
45	9.81210027	8889	9.88136892	6463	9.93073135	15352	10.06926864	55
46	9.81218916	8885	9.88130428	6465	9.93088488	15351	10.06911511	54
47	9.81227802	8882	9.88123962	6468	9.93103840	15350	10.06896159	53
48	9.81236685	8879	9.88117494	6470	9.93119190	15349	10.06880809	52
49	9.81245565	8876	9.88111024	6472	9.93134540	15349	10.06865459	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.81254441	8873	9.88104551	6474	9.93149890	15348	10.06850109	50
51	9.81263314	8870	9.88098076	6477	9.93165238	15347	10.06834761	49
52	9.81272185	8867	9.88091599	6479	9.93180585	15346	10.06819414	48
53	9.81281052	8863	9.88085119	6481	9.93195932	15345	10.06804067	47
54	9.81289916	8860	9.88078637	6484	9.93211278	15344	10.06788721	46
55	9.81298776	8857	9.88072153	6486	9.93226623	15344	10.06773376	45
56	9.81307634	8854	9.88065667	6488	9.93241967	15343	10.06758032	44
57	9.81316489	8851	9.88059178	6490	9.93257310	15342	10.06742689	43
58	9.81325340	8848	9.88052687	6493	9.93272652	15341	10.06727347	42
59	9.81334188	8845	9.88046194	6495	9.93287994	15340	10.06712005	41
60	9.81343033	8842	9.88039698	6497	9.93303335	15339	10.06696664	40
61	9.81351875	8838	9.88033200	6500	9.93318674	15339	10.06681325	39
62	9.81360714	8835	9.88026700	6502	9.93334014	15338	10.06665986	38
63	9.81369550	8832	9.88020198	6504	9.93349352	15337	10.06650647	37
64	9.81378383	8829	9.88013693	6507	9.93364689	15336	10.06635310	36
65	9.81387212	8826	9.88007186	6509	9.93380026	15335	10.06619973	35
66	9.81396039	8823	9.88000677	6511	9.93395362	15334	10.06604637	34
67	9.81404862	8820	9.87994165	6513	9.93410697	15334	10.06589302	33
68	9.81413682	8817	9.87987651	6516	9.93426031	15333	10.06573968	32
69	9.81422499	8813	9.87981135	6518	9.93441364	15332	10.06558635	31
70	9.81431313	8810	9.87974616	6520	9.93456697	15331	10.06543302	30
71	9.81440124	8807	9.87968095	6523	9.93472028	15330	10.06527971	29
72	9.81448932	8804	9.87961572	6525	9.93487359	15330	10.06512640	28
73	9.81457736	8801	9.87955047	6527	9.93502689	15329	10.06497310	27
74	9.81466538	8798	9.87948519	6530	9.93518019	15328	10.06481980	26
75	9.81475336	8795	9.87941989	6532	9.93533347	15327	10.06466652	25
76	9.81484132	8792	9.87935456	6534	9.93548675	15326	10.06451324	24
77	9.81492924	8789	9.87928922	6536	9.93564002	15326	10.06435997	23
78	9.81501713	8786	9.87922385	6539	9.93579328	15325	10.06420671	22
79	9.81510499	8782	9.87915845	6541	9.93594653	15324	10.06405346	21
80	9.81519282	8779	9.87909304	6543	9.93609978	15323	10.06390021	20
81	9.81528062	8776	9.87902760	6546	9.93625301	15322	10.06374698	19
82	9.81536839	8773	9.87896214	6548	9.93640624	15322	10.06359375	18
83	9.81545612	8770	9.87889665	6550	9.93655947	15321	10.06344052	17
84	9.81554383	8767	9.87883114	6553	9.93671268	15320	10.06328731	16
85	9.81563150	8764	9.87876561	6555	9.93686589	15319	10.06313411	15
86	9.81571914	8761	9.87870006	6557	9.93701908	15319	10.06298091	14
87	9.81580676	8758	9.87863448	6560	9.93717227	15318	10.06282772	13
88	9.81589434	8755	9.87856888	6562	9.93732546	15317	10.06267453	12
89	9.81598189	8751	9.87850325	6564	9.93747863	15316	10.06252136	11
90	9.81606941	8748	9.87843761	6567	9.93763180	15315	10.06236819	10
91	9.81615690	8745	9.87837194	6569	9.93778496	15315	10.06221503	9
92	9.81624436	8742	9.87830624	6571	9.93793811	15314	10.06206188	8
93	9.81633178	8739	9.87824052	6573	9.93809125	15313	10.06190874	7
94	9.81641918	8736	9.87817478	6576	9.93824439	15312	10.06175560	6
95	9.81650655	8733	9.87810902	6578	9.93839752	15312	10.06160247	5
96	9.81659388	8730	9.87804324	6580	9.93855064	15311	10.06144935	4
97	9.81668118	8727	9.87797743	6583	9.93870375	15310	10.06129624	3
98	9.81676846	8724	9.87791159	6585	9.93885686	15309	10.06114313	2
99	9.81685570	8721	9.87784574	6587	9.93900996	15309	10.06099003	1
			Sinus	Diff.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.81694291	8718	9.87777986	6590	9.93916305	15308	10.06083694	100
1	9.81703009	8715	9.87771396	6592	9.93931613	15307	10.06068386	99
2	9.81711724	8711	9.87764803	6594	9.93946921	15306	10.06053078	98
3	9.81720436	8708	9.87758208	6597	9.93962228	15305	10.06037771	97
4	9.81729145	8705	9.87751611	6599	9.93977534	15305	10.06022465	96
5	9.81737851	8702	9.87745011	6601	9.93992839	15304	10.06007160	95
6	9.81746554	8699	9.87738409	6604	9.94008144	15303	10.05991855	94
7	9.81755253	8696	9.87731805	6606	9.94023448	15303	10.05976551	93
8	9.81763950	8693	9.87725199	6608	9.94038751	15302	10.05961248	92
9	9.81772644	8690	9.87718590	6611	9.94054053	15301	10.05945946	91
10	9.81781334	8687	9.87711979	6613	9.94069355	15300	10.05930644	90
11	9.81790022	8684	9.87705365	6615	9.94084656	15300	10.05915343	89
12	9.81798706	8681	9.87698749	6618	9.94099956	15299	10.05900043	88
13	9.81807387	8678	9.87692131	6620	9.94115256	15298	10.05884743	87
14	9.81816066	8675	9.87685511	6622	9.94130554	15298	10.05860445	86
15	9.81824741	8672	9.87678888	6625	9.94145852	15297	10.05854147	85
16	9.81833413	8669	9.87672263	6627	9.94161150	15296	10.05838849	84
17	9.81842082	8666	9.87665635	6629	9.94176446	15295	10.05823553	83
18	9.81850748	8662	9.87659005	6632	9.94191742	15295	10.05808257	82
19	9.81859411	8659	9.87652373	6634	9.94207037	15294	10.05792962	81
20	9.81868071	8656	9.87645739	6636	9.94222332	15293	10.05777667	80
21	9.81876728	8653	9.87639102	6639	9.94237625	15293	10.05762374	79
22	9.81885382	8650	9.87632463	6641	9.94252918	15292	10.05747081	78
23	9.81894032	8647	9.87625821	6643	9.94268211	15291	10.05731788	77
24	9.81902680	8644	9.87619177	6646	9.94283502	15290	10.05716497	76
25	9.81911325	8641	9.87612531	6648	9.94298793	15290	10.05701206	75
26	9.81919967	8638	9.87605883	6650	9.94314083	15289	10.05685916	74
27	9.81928605	8635	9.87599232	6653	9.94329373	15288	10.05670626	73
28	9.81937241	8632	9.87592579	6655	9.94344662	15288	10.05655337	72
29	9.81945873	8629	9.87585923	6657	9.94359950	15287	10.05640049	71
30	9.81954503	8626	9.87579265	6660	9.94375237	15286	10.05624762	70
31	9.81963129	8623	9.87572605	6662	9.94390524	15286	10.05609475	69
32	9.81971753	8620	9.87565942	6664	9.94405810	15285	10.05594189	68
33	9.81980373	8617	9.87559277	6667	9.94421095	15284	10.05578904	67
34	9.81988990	8614	9.87552610	6669	9.94436380	15283	10.05563619	66
35	9.81997605	8611	9.87545940	6671	9.94451664	15283	10.05548335	65
36	9.82006216	8608	9.87539268	6674	9.94466947	15282	10.05533052	64
37	9.82014824	8605	9.87532594	6676	9.94482230	15281	10.05517769	63
38	9.82023430	8602	9.87525917	6679	9.94497512	15281	10.05502487	62
39	9.82032032	8599	9.87519238	6681	9.94512793	15280	10.05487206	61
40	9.82040631	8596	9.87512557	6683	9.94528074	15279	10.05471925	60
41	9.82049227	8593	9.87505873	6686	9.94543353	15279	10.05456646	59
42	9.82057820	8590	9.87499187	6688	9.94558633	15278	10.05441366	58
43	9.82066410	8587	9.87492499	6690	9.94573911	15277	10.05426088	57
44	9.82074997	8584	9.87485808	6693	9.94589189	15277	10.05410810	56
45	9.82083582	8581	9.87479115	6695	9.94604466	15276	10.05395533	55
46	9.82092163	8578	9.87472419	6697	9.94619743	15275	10.05380256	54
47	9.82100741	8575	9.87465721	6700	9.94635019	15275	10.05364980	53
48	9.82109316	8572	9.87459021	6702	9.94650294	15274	10.05349705	52
49	9.82117888	8568	9.87452319	6704	9.94665569	15273	10.05334430	51
			Sinus	Dif.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.82126457	8565	9.87445614	6707	9.94680842	15273	10.05319157	50
51	9.82135023	8562	9.87438906	6709	9.94696116	15272	10.05303883	49
52	9.82143586	8559	9.87432197	6711	9.94711388	15271	10.05288611	48
53	9.82152146	8556	9.87425485	6714	9.94726660	15271	10.05273339	47
54	9.82160703	8553	9.87418770	6716	9.94741932	15270	10.05258067	46
55	9.82169256	8550	9.87412054	6719	9.94757202	15270	10.05242797	45
56	9.82177807	8547	9.87405335	6721	9.94772472	15269	10.05227527	44
57	9.82186355	8544	9.87398613	6723	9.94787742	15268	10.05212257	43
58	9.82194900	8541	9.87391889	6726	9.94803010	15268	10.05196989	42
59	9.82203442	8538	9.87385163	6728	9.94818278	15267	10.05181721	41
60	9.82211981	8535	9.87378435	6730	9.94833546	15266	10.05166453	40
61	9.82220517	8532	9.87371704	6733	9.94848813	15266	10.05151186	39
62	9.82229050	8529	9.87364971	6735	9.94864079	15265	10.05135920	38
63	9.82237580	8526	9.87358235	6738	9.94879344	15264	10.05120655	37
64	9.82246107	8523	9.87351497	6740	9.94894609	15264	10.05105390	36
65	9.82254631	8520	9.87344756	6742	9.94909874	15263	10.05090125	35
66	9.82263152	8517	9.87338014	6745	9.94925137	15263	10.05074862	34
67	9.82271669	8514	9.87331269	6747	9.94940400	15262	10.05059599	33
68	9.82280184	8511	9.87324521	6749	9.94955663	15261	10.05044336	32
69	9.82288696	8508	9.87317771	6752	9.94970925	15261	10.05029074	31
70	9.82297205	8505	9.87311019	6754	9.94986186	15260	10.05013813	30
71	9.82305711	8502	9.87304264	6756	9.95001446	15259	10.04998553	29
72	9.82314214	8499	9.87297507	6759	9.95016706	15259	10.04983293	28
73	9.82322714	8497	9.87290748	6761	9.95031966	15258	10.04968033	27
74	9.82331211	8494	9.87283986	6764	9.95047224	15258	10.04952775	26
75	9.82339705	8491	9.87277222	6766	9.95062482	15257	10.04937517	25
76	9.82348196	8488	9.87270456	6768	9.95077740	15256	10.04922259	24
77	9.82356684	8485	9.87263687	6771	9.95092997	15256	10.04907002	23
78	9.82365169	8482	9.87256916	6773	9.95108253	15255	10.04891746	22
79	9.82373651	8479	9.87250142	6775	9.95123509	15255	10.04876490	21
80	9.82382131	8476	9.87243366	6778	9.95138764	15254	10.04861235	20
81	9.82390607	8473	9.87236588	6780	9.95154019	15253	10.04845981	19
82	9.82399080	8470	9.87229807	6783	9.95169272	15253	10.04830727	18
83	9.82407550	8467	9.87223024	6785	9.95184526	15252	10.04815473	17
84	9.82416017	8464	9.87216238	6787	9.95199778	15252	10.04800221	16
85	9.82424482	8461	9.87209450	6790	9.95215031	15251	10.04784968	15
86	9.82432943	8458	9.87202660	6792	9.95230282	15250	10.04769717	14
87	9.82441401	8455	9.87195867	6795	9.95245533	15250	10.04754466	13
88	9.82449856	8452	9.87189072	6797	9.95260783	15249	10.04739216	12
89	9.82458309	8449	9.87182275	6799	9.95276033	15249	10.04723966	11
90	9.82466758	8446	9.87175475	6802	9.95291283	15248	10.04708716	10
91	9.82475205	8443	9.87168673	6804	9.95306531	15248	10.04693468	9
92	9.82483648	8440	9.87161868	6806	9.95321779	15247	10.04678220	8
93	9.82492088	8437	9.87155061	6809	9.95337027	15246	10.04662972	7
94	9.82500526	8434	9.87148252	6811	9.95352274	15246	10.04647725	6
95	9.82508961	8431	9.87141440	6814	9.95367520	15245	10.04632479	5
96	9.82517392	8428	9.87134626	6816	9.95382766	15245	10.04617233	4
97	9.82525821	8425	9.87127809	6818	9.95398011	15244	10.04601988	3
98	9.82534247	8422	9.87120990	6821	9.95413256	15244	10.04586743	2
99	9.82542669	8419	9.87114169	6823	9.95428500	15243	10.04571499	1
			Sinus	Diff.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.82551089	8416	9.87107345	6826	9.95443743	15242	10.04556256	100
1	9.82559506	8413	9.87100519	6828	9.95458986	15242	10.04541013	99
2	9.82567920	8410	9.87093691	6830	9.95474229	15241	10.04525770	98
3	9.82576331	8407	9.87086860	6833	9.95489470	15241	10.04510529	97
4	9.82584739	8405	9.87080026	6835	9.95504712	15240	10.04495287	96
5	9.82593144	8402	9.87073191	6838	9.95519952	15240	10.04480047	95
6	9.82601546	8399	9.87066353	6840	9.95535193	15239	10.04464806	94
7	9.82609945	8396	9.87059512	6842	9.95550432	15239	10.04449567	93
8	9.82618341	8393	9.87052669	6845	9.95565671	15238	10.04434328	92
9	9.82626734	8390	9.87045824	6847	9.95580910	15238	10.04419089	91
10	9.82635124	8387	9.87038976	6850	9.95596148	15237	10.04403851	90
11	9.82643512	8384	9.87032126	6852	9.95611385	15236	10.04388614	89
12	9.82651896	8381	9.87025273	6854	9.95626622	15236	10.04373377	88
13	9.82660278	8378	9.87018418	6857	9.95641859	15235	10.04358140	87
14	9.82668656	8375	9.87011561	6859	9.95657095	15235	10.04342904	86
15	9.82677032	8372	9.87004701	6862	9.95672330	15234	10.04327669	85
16	9.82685404	8369	9.86997839	6864	9.95687565	15234	10.04312434	84
17	9.82693774	8366	9.86990974	6866	9.95702799	15233	10.04297200	83
18	9.82702141	8363	9.86984108	6869	9.95718033	15233	10.04281966	82
19	9.82710505	8360	9.86977238	6871	9.95733266	15232	10.04266733	81
20	9.82718866	8357	9.86970366	6874	9.95748499	15232	10.04251500	80
21	9.82727223	8355	9.86963492	6876	9.95763731	15231	10.04236268	79
22	9.82735579	8352	9.86956615	6879	9.95778963	15231	10.04221036	78
23	9.82743931	8349	9.86949736	6881	9.95794194	15230	10.04205805	77
24	9.82752280	8346	9.86942855	6883	9.95809424	15230	10.04190575	76
25	9.82760626	8343	9.86935971	6886	9.95824654	15229	10.04175345	75
26	9.82768969	8340	9.86929085	6888	9.95839884	15229	10.04160115	74
27	9.82777310	8337	9.86922196	6891	9.95855113	15228	10.04144886	73
28	9.82785647	8334	9.86915305	6893	9.95870342	15228	10.04129657	72
29	9.82793982	8331	9.86908412	6895	9.95885570	15227	10.04114429	71
30	9.82802313	8328	9.86901516	6898	9.95900797	15227	10.04099202	70
31	9.82810642	8325	9.86894617	6900	9.95916024	15226	10.04083975	69
32	9.82818968	8322	9.86887716	6903	9.95931251	15226	10.04068748	68
33	9.82827291	8319	9.86880813	6905	9.95946477	15225	10.04053522	67
34	9.82835611	8317	9.86873908	6908	9.95961703	15225	10.04038296	66
35	9.82843928	8314	9.86867000	6910	9.95976928	15224	10.04023071	65
36	9.82852242	8311	9.86860089	6912	9.95992152	15224	10.04007847	64
37	9.82860553	8308	9.86853176	6915	9.96007376	15223	10.03992623	63
38	9.82868861	8305	9.86846261	6917	9.96022600	15223	10.03977399	62
39	9.82877167	8302	9.86839343	6920	9.96037823	15222	10.03962176	61
40	9.82885469	8299	9.86832423	6922	9.96053046	15222	10.03946953	60
41	9.82893769	8296	9.86825500	6925	9.96068268	15221	10.03931731	59
42	9.82902065	8293	9.86818575	6927	9.96083489	15221	10.03916510	58
43	9.82910359	8290	9.86811648	6929	9.96098711	15220	10.03901288	57
44	9.82918650	8287	9.86804718	6932	9.96113931	15220	10.03886068	56
45	9.82926938	8285	9.86797786	6934	9.96129152	15219	10.03870847	55
46	9.82935223	8282	9.86790851	6937	9.96144371	15219	10.03855628	54
47	9.82943505	8279	9.86783914	6939	9.96159591	15218	10.03840408	53
48	9.82951784	8276	9.86776974	6942	9.96174809	15218	10.03825190	52
49	9.82960061	8273	9.86770032	6944	9.96190028	15217	10.03809971	51
			Sinus	Dif.		Differ.	Tangens	C

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C	Sinus	Differ.			Tangens	Differ.		
50	9.82968334	8270	9.86763088	6946	9.96205246	15217	10.03794753	50
51	9.82976605	8267	9.86756141	6949	9.96220463	15216	10.03779536	49
52	9.82984872	8264	9.86749192	6951	9.96235680	15216	10.03764319	48
53	9.82993137	8261	9.86742240	6954	9.96250897	15216	10.03749102	47
54	9.83001399	8258	9.86735286	6956	9.96266113	15215	10.03733886	46
55	9.83009658	8256	9.86728329	6959	9.96281328	15215	10.03718671	45
56	9.83017914	8253	9.86721370	6961	9.96296543	15214	10.03703456	44
57	9.83026167	8250	9.86714409	6963	9.96311758	15214	10.03688241	43
58	9.83034417	8247	9.86707445	6966	9.96326972	15213	10.03673027	42
59	9.83042665	8244	9.86700478	6968	9.96342186	15213	10.03657813	41
60	9.83050909	8241	9.86693509	6971	9.96357399	15212	10.03642600	40
61	9.83059151	8238	9.86686538	6973	9.96372612	15212	10.03627387	39
62	9.83067389	8235	9.86679564	6976	9.96387824	15211	10.03612175	38
63	9.83075625	8232	9.86672588	6978	9.96403036	15211	10.03596963	37
64	9.83083858	8230	9.86665610	6981	9.96418248	15211	10.03581751	36
65	9.83092088	8227	9.86658629	6983	9.96433459	15210	10.03566540	35
66	9.83100315	8224	9.86651645	6985	9.96448670	15210	10.03551329	34
67	9.83108540	8221	9.86644659	6988	9.96463880	15209	10.03536119	33
68	9.83116761	8218	9.86637671	6990	9.96479090	15209	10.03520909	32
69	9.83124980	8215	9.86630680	6993	9.96494299	15208	10.03505700	31
70	9.83133195	8212	9.86623687	6995	9.96509508	15208	10.03490491	30
71	9.83141408	8209	9.86616691	6998	9.96524717	15208	10.03475282	29
72	9.83149618	8207	9.86609693	7000	9.96539925	15207	10.03460074	28
73	9.83157825	8204	9.86602692	7003	9.96555132	15207	10.03444867	27
74	9.83166029	8201	9.86595689	7005	9.96570340	15206	10.03429659	26
75	9.83174231	8198	9.86588684	7007	9.96585546	15206	10.03414453	25
76	9.83182429	8195	9.86581676	7010	9.96600753	15205	10.03399246	24
77	9.83190625	8192	9.86574665	7012	9.96615959	15205	10.03384040	23
78	9.83198817	8189	9.86567652	7015	9.96631164	15205	10.03368835	22
79	9.83207007	8186	9.86560637	7017	9.96646370	15204	10.03353629	21
80	9.83215194	8184	9.86553619	7020	9.96661574	15204	10.03338425	20
81	9.83223378	8181	9.86546599	7022	9.96676779	15203	10.03323220	19
82	9.83231559	8178	9.86539576	7025	9.96691983	15203	10.03308016	18
83	9.83239738	8175	9.86532551	7027	9.96707186	15203	10.03292813	17
84	9.83247913	8172	9.86525523	7030	9.96722389	15202	10.03277610	16
85	9.83256086	8169	9.86518493	7032	9.96737592	15202	10.03262407	15
86	9.83264256	8166	9.86511461	7035	9.96752794	15201	10.03247205	14
87	9.83272422	8164	9.86504426	7037	9.96767996	15201	10.03232003	13
88	9.83280586	8161	9.86497388	7039	9.96783198	15201	10.03216801	12
89	9.83288748	8158	9.86490348	7042	9.96798399	15200	10.03201600	11
90	9.83296906	8155	9.86483306	7044	9.96813600	15200	10.03186399	10
91	9.83305061	8152	9.86476261	7047	9.96828800	15199	10.03171199	9
92	9.83313214	8149	9.86469214	7049	9.96844000	15199	10.03155999	8
93	9.83321364	8146	9.86462164	7052	9.96859200	15199	10.03140799	7
94	9.83329511	8144	9.86455111	7054	9.96874399	15198	10.03125600	6
95	9.83337655	8141	9.86448057	7057	9.96889598	15198	10.03110401	5
96	9.83345796	8138	9.86440999	7059	9.96904796	15198	10.03095203	4
97	9.83353934	8135	9.86433940	7062	9.96919994	15197	10.03080005	3
98	9.83362070	8132	9.86426878	7064	9.96935192	15197	10.03064807	2
99	9.83370203	8129	9.86419813	7067	9.96950389	15196	10.03049610	1
			Sinus	Diff.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.83378333	8126	9.86412746	7069	9.96965586	15196	10.03034413	100
1	9.83386460	8124	9.86405676	7072	9.96980783	15196	10.03019216	99
2	9.83394584	8121	9.86398604	7074	9.96995979	15195	10.03004020	98
3	9.83402705	8118	9.86391530	7077	9.97011175	15195	10.02988824	97
4	9.83410823	8115	9.86384453	7079	9.97026370	15195	10.02973629	96
5	9.83418939	8112	9.86377373	7081	9.97041565	15194	10.02958434	95
6	9.83427052	8109	9.86370291	7084	9.97056760	15194	10.02943239	94
7	9.83435162	8107	9.86363207	7086	9.97071954	15194	10.02928045	93
8	9.83443269	8104	9.86356120	7089	9.97087148	15193	10.02912851	92
9	9.83451373	8101	9.86349031	7091	9.97102342	15193	10.02897657	91
10	9.83459475	8098	9.86341939	7094	9.97117535	15192	10.02882464	90
11	9.83467573	8095	9.86334844	7096	9.97132728	15192	10.02867271	89
12	9.83475669	8092	9.86327747	7099	9.97147921	15192	10.02852078	88
13	9.83483762	8090	9.86320648	7101	9.97163113	15191	10.02836886	87
14	9.83491852	8087	9.86313546	7104	9.97178305	15191	10.02821694	86
15	9.83499939	8084	9.86306442	7106	9.97193497	15191	10.02806502	85
16	9.83508024	8081	9.86299335	7109	9.97208688	15190	10.02791311	84
17	9.83516105	8078	9.86292226	7111	9.97223879	15190	10.02776120	83
18	9.83524184	8075	9.86285114	7114	9.97239069	15190	10.02760930	82
19	9.83532260	8073	9.86278000	7116	9.97254260	15189	10.02745739	81
20	9.83540333	8070	9.86270883	7119	9.97269450	15189	10.02730549	80
21	9.83548404	8067	9.86263764	7121	9.97284639	15189	10.02715360	79
22	9.83556471	8064	9.86256642	7124	9.97299828	15188	10.02700171	78
23	9.83564536	8061	9.86249518	7126	9.97315017	15188	10.02684982	77
24	9.83572598	8059	9.86242391	7129	9.97330206	15188	10.02669793	76
25	9.83580657	8056	9.86235262	7131	9.97345394	15187	10.02654605	75
26	9.83588713	8053	9.86228131	7134	9.97360582	15187	10.02639417	74
27	9.83596766	8050	9.86220996	7136	9.97375769	15187	10.02624230	73
28	9.83604817	8047	9.86213860	7139	9.97390957	15186	10.02609042	72
29	9.83612865	8044	9.86206721	7141	9.97406144	15186	10.02593855	71
30	9.83620910	8042	9.86199579	7144	9.97421330	15186	10.02578669	70
31	9.83628952	8039	9.86192435	7146	9.97436517	15186	10.02563482	69
32	9.83636991	8036	9.86185288	7149	9.97451703	15185	10.02548296	68
33	9.83645028	8033	9.86178139	7151	9.97466888	15185	10.02533111	67
34	9.83653062	8030	9.86170987	7154	9.97482074	15185	10.02517925	66
35	9.83661092	8028	9.86163833	7156	9.97497259	15184	10.02502740	65
36	9.83669121	8025	9.86156677	7159	9.97512444	15184	10.02487555	64
37	9.83677146	8022	9.86149517	7161	9.97527628	15184	10.02472371	63
38	9.83685168	8019	9.86142356	7164	9.97542812	15183	10 02457187	62
39	9.83693188	8016	9.86135192	7166	9.97557996	15183	10.02442003	61
40	9.83701205	8014	9.86128025	7169	9.97573180	15183	10.02426819	60
41	9.83709219	8011	9.86120856	7171	9.97588363	15182	10.02411636	59
42	9.83717230	8008	9.86113684	7174	9.97603546	15182	10.02396453	58
43	9.83725239	8005	9.86106510	7176	9.97618728	15182	10.02381271	57
44	9.83733244	8002	9.86099333	7179	9.97633911	15182	10.02366088	56
45	9.83741247	8000	9.86092154	7181	9.97649093	15181	10.02350906	55
46	9.83749247	7997	9.86084972	7184	9.97664275	15181	10.02335724	54
47	9.83757245	7994	9.86077788	7186	9.97679456	15181	10.02320543	53
48	9.83765239	7991	9.86070601	7189	9.97694638	15180	10.02305361	52
49	9.83773231	7988	9.86063412	7191	9.97709818	15180	10.02290181	51
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.83781220	7986	9.86056220	7194	9.97724999	15180	10.02275000	50
51	9.83789206	7983	9.86049026	7196	9.97740180	15180	10.02259819	49
52	9.83797189	7980	9.86041829	7199	9.97755360	15179	10.02244639	48
53	9.83805170	7977	9.86034630	7201	9.97770540	15179	10.02229459	47
54	9.83813148	7974	9.86027428	7204	9.97785719	15179	10.02214280	46
55	9.83821123	7972	9.86020224	7206	9.97800898	15179	10.02199101	45
56	9.83829095	7969	9.86013017	7209	9.97816077	15178	10.02183922	44
57	9.83837064	7966	9.86005807	7211	9.97831256	15178	10.02168743	43
58	9.83845031	7963	9.85998595	7214	9.97846435	15178	10.02153564	42
59	9.83852995	7961	9.85991381	7216	9.97861613	15177	10.02138386	41
60	9.83860956	7958	9.85984164	7219	9.97876791	15177	10.02123208	40
61	9.83868914	7955	9.85976945	7221	9.97891969	15177	10.02108030	39
62	9.83876869	7952	9.85969723	7224	9.97907146	15177	10.02092853	38
63	9.83884822	7949	9.85962498	7227	9.97922323	15176	10.02077676	37
64	9.83892772	7947	9.85955271	7229	9.97937500	15176	10.02062499	36
65	9.83900719	7944	9.85948041	7232	9.97952677	15176	10.02047322	35
66	9.83908663	7941	9.85940809	7234	9.97967854	15176	10.02032145	34
67	9.83916605	7938	9.85933575	7237	9.97983030	15175	10.02016969	33
68	9.83924544	7936	9.85926338	7239	9.97998206	15175	10.02001793	32
69	9.83932480	7933	9.85919098	7242	9.98013381	15175	10.01986618	31
70	9.83940413	7930	9.85911856	7244	9.98028557	15175	10.01971442	30
71	9.83948344	7927	9.85904611	7247	9.98043732	15175	10.01956267	29
72	9.83956271	7924	9.85897364	7249	9.98058907	15174	10.01941092	28
73	9.83964196	7922	9.85890114	7252	9.98074082	15174	10.01925917	27
74	9.83972118	7919	9.85882862	7254	9.98089256	15174	10.01910743	26
75	9.83980038	7916	9.85875607	7257	9.98104431	15174	10.01895568	25
76	9.83987955	7913	9.85868349	7259	9.98119605	15173	10.01880394	24
77	9.83995868	7911	9.85861089	7262	9.98134779	15173	10.01865220	23
78	9.84003780	7908	9.85853827	7265	9.98149952	15173	10.01850047	22
79	9.84011688	7905	9.85846562	7267	9.98165126	15173	10.01834873	21
80	9.84019594	7902	9.85839294	7270	9.98180299	15172	10.01819700	20
81	9.84027496	7900	9.85832024	7272	9.98195472	15172	10.01804527	19
82	9.84035396	7897	9.85824751	7275	9.98210644	15172	10.01789355	18
83	9.84043294	7894	9.85817476	7277	9.98225817	15172	10.01774182	17
84	9.84051188	7891	9.85810199	7280	9.98240989	15172	10.01759010	16
85	9.84059080	7889	9.85802918	7282	9.98256161	15171	10.01743838	15
86	9.84066969	7886	9.85795635	7285	9.98271333	15171	10.01728666	14
87	9.84074855	7883	9.85788350	7287	9.98286505	15171	10.01713494	13
88	9.84082739	7880	9.85781062	7290	9.98301676	15171	10.01698323	12
89	9.84090620	7878	9.85773772	7292	9.98316847	15171	10.01683152	11
90	9.84098498	7875	9.85766479	7295	9.98332018	15170	10.01667981	10
91	9.84106373	7872	9.85759183	7298	9.98347189	15170	10.01652810	9
92	9.84114246	7869	9.85751885	7300	9.98362360	15170	10.01637639	8
93	9.84122115	7867	9.85744584	7303	9.98377530	15170	10.01622469	7
94	9.84129982	7864	9.85737281	7305	9.98392701	15170	10.01607298	6
95	9.84137847	7861	9.85729976	7308	9.98407871	15169	10.01592128	5
96	9.84145708	7858	9.85722667	7310	9.98423040	15169	10.01576959	4
97	9.84153567	7856	9.85715356	7313	9.98438210	15169	10.01561789	3
98	9.84161423	7853	9.85708043	7315	9.98453379	15169	10.01546620	2
99	9.84169276	7850	9.85700727	7318	9.98468549	15169	10.01531450	1
			Sinus	Diff.		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
0	9.84177127	7847	9.85693409	7321	9.98483718	15168	10.01516281	100
1	9.84184975	7845	9.85686087	7323	9.98498887	15168	10.01501112	99
2	9.84192820	7842	9.85678764	7326	9.98514055	15168	10.01485944	98
3	9.84200662	7839	9.85671438	7328	9.98529224	15168	10.01470775	97
4	9.84208502	7836	9.85664109	7331	9.98544392	15168	10.01455607	96
5	9.84216338	7834	9.85656778	7333	9.98559560	15167	10.01440439	95
6	9.84224173	7831	9.85649444	7336	9.98574728	15167	10.01425271	94
7	9.84232004	7828	9.85642107	7338	9.98589896	15167	10.01410103	93
8	9.84239833	7825	9.85634768	7341	9.98605064	15167	10.01394935	92
9	9.84247659	7823	9.85627427	7344	9.98620231	15167	10.01379768	91
10	9.84255482	7820	9.85620083	7346	9.98635399	15166	10.01364600	90
11	9.84263302	7817	9.85612736	7349	9.98650566	15166	10.01349433	89
12	9.84271120	7814	9.85605387	7351	9.98665733	15166	10.01334266	88
13	9.84278935	7812	9.85598035	7354	9.98680900	15166	10.01319099	87
14	9.84286747	7809	9.85590680	7356	9.98696066	15166	10.01303933	86
15	9.84294557	7806	9.85583323	7359	9.98711233	15166	10.01288766	85
16	9.84302364	7804	9.85575964	7362	9.98726399	15166	10.01273600	84
17	9.84310168	7801	9.85568602	7364	9.98741565	15166	10.01258434	83
18	9.84317969	7798	9.85561237	7367	9.98756731	15165	10.01243268	82
19	9.84325768	7795	9.85553870	7369	9.98771897	15165	10.01228102	81
20	9.84333564	7793	9.85546500	7372	9.98787063	15165	10.01212936	80
21	9.84341357	7790	9.85539128	7374	9.98802228	15165	10.01197771	79
22	9.84349147	7787	9.85531753	7377	9.98817394	15165	10.01182605	78
23	9.84356935	7785	9.85524375	7380	9.98832559	15165	10.01167440	77
24	9.84364720	7782	9.85516995	7382	9.98847724	15165	10.01152275	76
25	9.84372502	7779	9.85509612	7385	9.98862889	15164	10.01137110	75
26	9.84380282	7776	9.85502227	7387	9.98878054	15164	10.01121945	74
27	9.84388059	7774	9.85494839	7390	9.98893219	15164	10.01106780	73
28	9.84395833	7771	9.85487449	7393	9.98908383	15164	10.01091616	72
29	9.84403604	7768	9.85480056	7395	9.98923548	15164	10.01076451	71
30	9.84411373	7766	9.85472660	7398	9.98938712	15164	10.01061287	70
31	9.84419139	7763	9.85465262	7400	9.98953876	15164	10.01046123	69
32	9.84426902	7760	9.85457861	7403	9.98969041	15163	10.01030958	68
33	9.84434663	7757	9.85450458	7405	9.98984205	15163	10.01015795	67
34	9.84442421	7755	9.85443052	7408	9.98999368	15163	10.01000631	66
35	9.84450176	7752	9.85435644	7411	9.99014532	15163	10.00985467	65
36	9.84457929	7749	9.85428232	7413	9.99029696	15163	10.00970303	64
37	9.84465678	7747	9.85420819	7416	9.99044859	15163	10.00955140	63
38	9.84473425	7744	9.85413402	7418	9.99060022	15163	10.00939977	62
39	9.84481170	7741	9.85395984	7421	9.99075186	15163	10.00924813	61
40	9.84488911	7738	9.85398562	7424	9.99090349	15163	10.00909650	60
41	9.84496650	7736	9.85391138	7426	9.99105512	15162	10.00894487	59
42	9.84504387	7733	9.85383711	7429	9.99120675	15162	10.00879324	58
43	9.84512120	7730	9.85376282	7431	9.99135837	15162	10.00864162	57
44	9.84519851	7728	9.85368850	7434	9.99151000	15162	10.00848999	56
45	9.84527579	7725	9.85361416	7437	9.99166163	15162	10.00833836	55
46	9.84535305	7722	9.85353979	7439	9.99181325	15162	10.00818674	54
47	9.84543027	7720	9.85346539	7442	9.99196488	15162	10.00803511	53
48	9.84550747	7717	9.85339097	7444	9.99211650	15162	10.00788349	52
49	9.84558465	7714	9.85331652	7447	9.99226812	15162	10.00773187	51
			Sinus	Diff		Differ.	Tangens	C

C	Sinus	Differ.			Tangens	Differ.		
50	9.84566180	7711	9.85324205	7450	9.99241974	15162	10.00758025	50
51	9.84573892	7709	9.85316755	7452	9.99257136	15161	10.00742863	49
52	9.84581601	7706	9.85309302	7455	9.99272298	15161	10.00727701	48
53	9.84589307	7703	9.85301847	7457	9.99287460	15161	10.00712539	47
54	9.84597011	7701	9.85294389	7460	9.99302622	15161	10.00697377	46
55	9.84604713	7698	9.85286929	7463	9.99317783	15161	10.00682216	45
56	9.84612411	7695	9.85279466	7465	9.99332945	15161	10.00667054	44
57	9.84620107	7693	9.85272000	7468	9.99348106	15161	10.00651893	43
58	9.84627800	7690	9.85264532	7470	9.99363268	15161	10.00636731	42
59	9.84635491	7687	9.85257061	7473	9.99378429	15161	10.00621570	41
60	9.84643178	7685	9.85249588	7476	9.99393590	15161	10.00606409	40
61	9.84650863	7682	9.85242111	7478	9.99408751	15161	10.00591248	39
62	9.84658546	7679	9.85234633	7481	9.99423913	15161	10.00576086	38
63	9.84666226	7677	9.85227152	7483	9.99439074	15160	10.00560925	37
64	9.84673903	7674	9.85219668	7486	9.99454235	15160	10.00545764	36
65	9.84681577	7671	9.85212181	7489	9.99469396	15160	10.00530604	35
66	9.84689249	7669	9.85204692	7491	9.99484556	15160	10.00515443	34
67	9.84696918	7666	9.85197200	7494	9.99499717	15160	10.00500282	33
68	9.84704584	7663	9.85189706	7496	9.99514878	15160	10.00485121	32
69	9.84712248	7661	9.85182209	7499	9.99530038	15160	10.00469961	31
70	9.84719909	7658	9.85174709	7502	9.99545199	15160	10.00454800	30
71	9.84727567	7655	9.85167207	7504	9.99560360	15160	10.00439639	29
72	9.84735223	7652	9.85159702	7507	9.99575520	15160	10.00424479	28
73	9.84742876	7650	9.85152195	7510	9.99590681	15160	10.00409318	27
74	9.84750526	7647	9.85144685	7512	9.99605841	15160	10.00394158	26
75	9.84758174	7644	9.85137172	7515	9.99621001	15160	10.00378998	25
76	9.84765819	7642	9.85129657	7517	9.99636162	15160	10.00363837	24
77	9.84773461	7639	9.85122139	7520	9.99651322	15160	10.00348677	23
78	9.84781101	7636	9.85114618	7523	9.99666482	15160	10.00333517	22
79	9.84788738	7634	9.85107095	7525	9.99681642	15160	10.00318357	21
80	9.84796372	7631	9.85099569	7528	9.99696802	15160	10.00303197	20
81	9.84804004	7628	9.85092041	7531	9.99711962	15160	10.00288037	19
82	9.84811633	7626	9.85084510	7533	9.99727122	15160	10.00272877	18
83	9.84819259	7623	9.85076976	7536	9.99742282	15159	10.00257717	17
84	9.84826883	7620	9.85069440	7538	9.99757442	15159	10.00242557	16
85	9.84834504	7618	9.85061901	7541	9.99772602	15159	10.00227397	15
86	9.84842122	7615	9.85054359	7544	9.99787762	15159	10.00212237	14
87	9.84849738	7613	9.85046815	7546	9.99802922	15159	10.00197077	13
88	9.84857351	7610	9.85039268	7549	9.99818082	15159	10.00181917	12
89	9.84864961	7607	9.85031718	7552	9.99833242	15159	10.00166757	11
90	9.84872569	7605	9.85024166	7554	9.99848402	15159	10.00151597	10
91	9.84880174	7602	9.85016611	7557	9.99863562	15159	10.00136437	9
92	9.84887776	7599	9.85009054	7560	9.99878721	15159	10.00121278	8
93	9.84895376	7597	9.85001494	7562	9.99893881	15159	10.00106118	7
94	9.84902973	7594	9.84993931	7565	9.99909041	15159	10.00090958	6
95	9.84910567	7591	9.84986366	7567	9.99924201	15159	10.00075798	5
96	9.84918159	7589	9.84978798	7570	9.99939361	15159	10.00060638	4
97	9.84925748	7585	9.84971227	7573	9.99954520	15159	10.00045479	3
98	9.84933335	7583	9.84963654	7575	9.99969680	15159	10.00030319	2
99	9.84940919	7581	9.84956078	7578	9.99984840	15159	10.00015159	1
			Sinus	Diff		Differ.	Tangens	C

Tabula Æquantium pro partibus centesſimis unius Decimalis, ſive pro partibus decies milleſſimis unius Gradus.

Cent.	Cent.	1	2	3	4	5	6	7	8	9
1	99	49.5	99.0	148.5	198.0	247.5	297.0	346.5	396.0	445.5
2	98	89.0	196.0	294.0	392.0	490.0	588.0	686.0	784.0	882.0
3	97	145.5	291.0	436.5	582.0	727.5	873.0	1018.5	1164.0	1309.5
4	96	192.0	384.0	576.0	768.0	960.0	1152.0	1344.0	1536.0	1728.0
5	95	237.5	475.0	712.5	950.0	1187.5	1425.0	1662.5	1900.0	2137.5
6	94	282.0	564.0	846.0	1128.0	1410.0	1692.0	1974.0	2256.0	2538.0
7	93	325.5	651.0	976.5	1302.0	1627.5	1953.0	2278.5	2604.0	2929.5
8	92	368.0	736.0	1104.0	1472.0	1840.0	2208.0	2576.0	2944.0	3312.0
9	91	409.5	819.0	1228.5	1638.0	2047.5	2457.0	2866.5	3276.0	3685.5
10	90	450.0	900.0	1350.0	1800.0	2250.0	2700.0	3150.0	3600.0	4050.0
11	89	489.5	979.0	1468.5	1958.0	2447.5	2937.0	3426.5	3916.0	4405.5
12	88	528.0	1056.0	1584.0	2112.0	2640.0	3168.0	3696.0	4224.0	4752.0
13	87	565.5	1131.0	1696.5	2262.0	2827.5	3393.0	3958.5	4524.0	5089.5
14	86	602.0	1204.0	1806.0	2408.0	3010.0	3612.0	4214.0	4816.0	5418.0
15	85	637.5	1275.0	1912.5	2550.0	3187.5	3825.0	4462.5	5100.0	5737.5
16	84	672.0	1344.0	2016.0	2688.0	3360.0	4032.0	4704.0	5376.0	6048.0
17	83	705.5	1411.0	2116.5	2822.0	3527.5	4233.0	4938.5	5644.0	6349.5
18	82	738.0	1476.0	2214.0	2952.0	3690.0	4428.0	5166.0	5904.0	6642.0
19	81	769.5	1539.0	2308.5	3078.0	3847.5	4617.0	5386.5	6156.0	6925.5
20	80	800.0	1600.0	2400.0	3200.0	4000.0	4800.0	5600.0	6400.0	7200.0
21	79	829.5	1659.0	2488.5	3318.0	4147.5	4977.0	5806.5	6636.0	7465.5
22	78	858.0	1716.0	2574.0	3432.0	4290.0	5148.0	6006.0	6864.0	7722.0
23	77	885.5	1771.0	2656.5	3542.0	4427.5	5313.0	6198.5	7084.0	7969.5
24	76	912.0	1824.0	2736.0	3648.0	4560.0	5472.0	6384.0	7296.0	8208.0
25	75	937.5	1875.0	2812.5	3750.0	4687.5	5625.0	6562.5	7500.0	8437.5
26	74	962.0	1924.0	2886.0	3848.0	4810.0	5772.0	6734.0	7696.0	8658.0
27	73	985.5	1971.0	2956.5	3942.0	4927.5	5913.0	6898.5	7884.0	8869.5
28	72	1008.0	2016.0	3024.0	4032.0	5040.0	6048.0	7056.0	8064.0	9072.0
29	71	1029.5	2059.0	3088.5	4118.0	5147.5	6177.0	7206.5	8236.0	9265.5
30	70	1050.0	2100.0	3150.0	4200.0	5250.0	6300.0	7350.0	8400.0	9450.0
31	69	1069.5	2139.0	3208.5	4278.0	5347.5	6417.0	7486.5	8556.0	9625.5
32	68	1088.0	2176.0	3264.0	4352.0	5440.0	6528.0	7616.0	8704.0	9792.0
33	67	1105.5	2201.0	3301.5	4402.0	5502.5	6603.0	7703.5	8804.0	9904.5
34	66	1122.0	2244.0	3366.0	4488.0	5610.0	6732.0	7854.0	8976.0	10098.0
35	65	1137.5	2275.0	3412.5	4550.0	5687.5	6825.0	7962.5	9100.0	10237.5
36	64	1152.0	2304.0	3456.0	4608.0	5760.0	6912.0	8064.0	9216.0	10368.0
37	63	1165.5	2331.0	3496.5	4662.0	5827.5	6993.0	8158.5	9324.0	10489.5
38	62	1178.0	2356.0	3534.0	4712.0	5890.0	7068.0	8246.0	9424.0	10602.0
39	61	1189.5	2379.0	3568.5	4758.0	5947.5	7137.0	8326.5	9516.0	10705.5
40	60	1200.0	2400.0	3600.0	4800.0	6000.0	7200.0	8400.0	9600.0	10800.0
41	59	1209.5	2419.0	3628.5	4838.0	6047.5	7257.0	8466.5	9676.0	10885.5
42	58	1218.0	2436.0	3654.0	4872.0	6090.0	7308.0	8526.0	9744.0	10962.0
43	57	1225.5	2451.0	3676.5	4902.0	6127.5	7353.0	8578.5	9804.0	11029.5
44	56	1232.0	2464.0	3696.0	4928.0	6160.0	7392.0	8624.0	9856.0	11088.0
45	55	1237.5	2475.0	3713.5	4950.0	6187.5	7425.0	8662.5	9900.0	11137.5
46	54	1242.0	2484.0	3726.0	4958.0	6210.0	7452.0	8694.0	9936.0	11178.0
47	53	1245.5	2491.0	3736.5	4982.0	6227.5	7473.0	8718.5	9964.0	11209.5
48	52	1248.0	2496.0	3744.0	4992.0	6240.0	7488.0	8736.0	9984.0	11232.0
49	51	1249.5	2499.0	3748.5	4998.0	6247.5	7497.0	8746.5	9996.0	11245.5
50	50	1250.0	2500.0	3750.0	5000.0	6250.0	7500.0	8750.0	10000.0	11250.0

FINIS.

CANONES
LOGARITHMORUM
PRO
SINVBVS & TANGENTIBVS,
Ad tres primos Quadrantis Gradus, & partes Graduum Milleſimas.

LONDINI,

Ex Officina LEYBOURNIANA,

M DC LVIII.

M.	*Sinus*	1	2	3	4	5
0	0.00000000	5.24187737	5.54290736	5.71899862	5.84393736	5.94084737
1	6.24187737	6.28327006	6.32105861	6.35582071	6.38800539	6.41796861
2	6.54290735	6.56409665	6.58430005	6.60360519	6.62208859	6.63981736
3	6.71899860	6.73323904	6.74702732	6.76039128	6.77335626	6.78594538
4	6.84393732	6.85466119	6.86512662	6.87534578	6.88533001	6.89508984
5	6.94084732	6.94944748	6.95788065	6.96615318	6.97427106	6.98223999
6	7.02002855	7.02720712	7.03426897	7.04121783	7.04805725	7.05479063
7	7.08697530	7.09313560	7.09920975	7.10520011	7.11110897	7.11693851
8	7.14496721	7.15036224	7.15569107	7.16095531	7.16615650	7.17129613
9	7.19611970	7.20091858	7.20566501	7.21036012	7.21500503	7.21960077
10	7.24187715	7.24619851	7.25047731	7.25471436	7.25891047	7.26306641
11	7.28326979	7.28720008	7.29109511	7.29495553	7.29878193	7.30257492
12	7.32105830	7.32466243	7.32823687	7.33178215	7.33529871	7.33878704
13	7.35582035	7.35914829	7.36245091	7.36572862	7.36898177	7.37221073
14	7.38800497	7.39109604	7.39416527	7.39791295	7.40022940	7.40324491
15	7.41796813	7.42085381	7.42372045	7.42656828	7.42939757	7.43220854
16	7.44599679	7.44870267	7.45139180	7.45406439	7.45672062	7.45936071
17	7.47232565	7.47487283	7.47740516	7.47992281	7.48242595	7.48491474
18	7.49714916	7.49955522	7.50194802	7.50432772	7.50669444	7.50904824
19	7.52063017	7.52290993	7.52517778	7.52743385	7.52967827	7.53191114
20	7.54290648	7.54503254	7.54722782	7.54937249	7.55150662	7.55363030
21	7.56409569	7.56615884	7.56821224	7.57025597	7.57229013	7.57431481
22	7.58429898	7.58626857	7.58822926	7.59018115	7.59212428	7.59405877
23	7.60360405	7.60548817	7.60736417	7.60923209	7.61109202	7.61294401
24	7.62298735	7.62389213	7.62569144	7.62748234	7.62926588	7.63104213
25	7.63981600	7.64154970	7.64327651	7.64499648	7.64670966	7.64841611
26	7.65684923	7.65851637	7.66017715	7.66183159	7.66347976	7.66512169
27	7.67323952	7.67484503	7.67644464	7.67803837	7.67962627	7.68120839
28	7.68903367	7.69058195	7.69212472	7.69366204	7.69519393	7.69672044
29	7.70427351	7.70576849	7.70725834	7.70874309	7.71022279	7.71169746
30	7.71899665	7.72044187	7.72188230	7.72331797	7.72474891	7.72617516
31	7.73323694	7.73463562	7.73602982	7.73741954	7.73880484	7.74028573
32	7.74702509	7.74838013	7.74973096	7.75107759	7.75242006	7.75375839
33	7.76038891	7.76170295	7.76301302	7.76431926	7.76562134	7.76691970
34	7.77335374	7.77462918	7.77590089	7.77716889	7.77843320	7.77969384
35	7.78594271	7.78718177	7.78841731	7.78964933	7.79087787	7.79210294
36	7.79817701	7.79938169	7.80058305	7.80178109	7.80297583	7.80416730
37	7.81007607	7.81124824	7.81241726	7.81358313	7.81474589	7.81590553
38	7.82165778	7.82279914	7.82393752	7.82507291	7.82620534	7.82733483
39	7.83293862	7.83405075	7.83526005	7.83636651	7.83737017	7.83847102
40	7.84393383	7.84501819	7.84609986	7.84717883	7.84825512	7.84932877
41	7.85465752	7.85571546	7.85677084	7.85782366	7.85887393	7.85992167
42	7.86512277	7.86625555	7.86718589	7.86821379	7.86923926	7.87026232
43	7.87534175	7.87635055	7.87735700	7.87836113	7.87936294	7.88036245
44	7.88532578	7.88631167	7.88729533	7.88827677	7.88925599	7.89023301
45	7.89508542	7.89604942	7.89701130	7.89797104	7.89892868	7.89988450
46	7.90463053	7.90557361	7.90651464	7.90745363	7.90839060	7.90932555
47	7.91397035	7.91489338	7.91581446	7.91673357	7.91765076	7.91856600
48	7.92311352	7.92401734	7.92491928	7.92581935	7.92671756	7.92761392
49	7.93206815	7.93295354	7.93383713	7.93471893	7.93559894	7.93647716
	Co-sinus	9	8	7	6	5

6	7	8	9	Sinus	Diff. 1æ. 6.241	2æ.	
6.02002862	6.08697541	6.14496735	6.19611988	6.24187737	87736	0	99
6.44599735	6.47232628	6.49714987	6.52063096	6.54290735	87735	1	98
6.65685070	6.67324112	6.68903538	6.70427535	6.71899860	87734	1	97
6.79817984	6.81007906	6.82166093	6.83294193	6.84393732	87733	2	96
6.90463515	6.91397518	6.92311856	6.93217339	6.94084733	87731	2	95
6.99006532	6.99775215	7.00530529	7.01272930	7.02002855	87728	2	94
7.06142121	7.06795207	7.07438618	7.08072636	7.08697530	87725	3	93
7.12269083	7.12836796	7.13397184	7.13950432	7.14496721	87722	3	92
7.17637566	7.18139645	7.18635988	7.19126720	7.19611970	87718	4	91
7.22414840	7.22864889	7.23310323	7.23751235	7.24187715	87714	4	90
7.26718299	7.27126089	7.27530087	7.27930360	7.28326979	87710	5	89
7.30633506	7.31006293	7.31375907	7.31742401	7.32105830	87705	5	88
7.34224756	7.34568073	7.34908698	7.35256671	7.35582035	87699	5	87
7.37541587	7.37859752	7.38175603	7.34489174	7.38800497	87693	6	86
7.40622975	7.40919423	7.41213860	7.41506315	7.41796813	87687	6	85
7.43500143	7.43777648	7.44053390	7.44327393	7.44599679	87680	7	84
7.46198485	7.46459322	7.46711860	7.46976344	7.47232565	87673	7	83
7.48738936	7.48984994	7.49229667	7.49472969	7.49714916	87665	8	82
7.51138955	7.51371820	7.51603444	7.51833838	7.52063017	87657	8	81
7.53413259	7.53634274	7.53854170	7.54072956	7.54290648	87648	9	80
7.55574365	7.55784677	7.55993975	7.56202269	7.56409569	87639	9	79
7.57633009	7.57833606	7.58033281	7.58232042	7.58429898	87630	10	78
7.59598468	7.59790209	7.59981107	7.60171169	7.60360405	87620	10	77
7.61478314	7.61662448	7.61845307	7.62027401	7.62208735	87609	10	76
7.63281114	7.63467298	7.63632769	7.63807535	7.63981600	87598	11	75
7.65011589	7.65180903	7.65349561	7.65517565	7.65684923	87587	11	74
7.66675744	7.66848706	7.67001058	7.67162805	7.67323952	87575	12	73
7.68278477	7.68435544	7.68592046	7.68747985	7.68903367	87563	12	72
7.69824160	7.69975745	7.70126803	7.70277337	7.70427351	87551	13	71
7.71316715	7.71463187	7.71609167	7.71754658	7.71899665	87538	13	70
7.72759673	7.72901367	7.73042599	7.73183374	7.73323694	87524	13	69
7.74156225	7.74293441	7.74430226	7.74566581	7.74702509	87511	14	68
7.75509262	7.75642276	7.75774884	7.75907088	7.76038891	87496	14	67
7.76821416	7.76950476	7.77079155	7.77207453	7.77335374	87481	15	66
7.78095083	7.78220419	7.78345394	7.78470011	7.78594271	87466	15	65
7.79332457	7.79454277	7.79575757	7.79696897	7.79817701	87450	16	64
7.80535549	7.80654046	7.80772220	7.80890073	7.81007607	87434	16	63
7.81706209	7.81821559	7.81936602	7.82051341	7.82165778	87418	17	62
7.82846139	7.82958503	7.83070577	7.83182363	7.83293862	87401	17	61
7.83956910	7.84066440	7.84177695	7.84284676	7.84393383	87384	17	60
7.83039976	7.85146813	7.85253386	7.85359699	7.85465752	87366	18	59
7.86096688	7.86200959	7.86304980	7.86408752	7.86512277	87347	18	58
7.87128296	7.87230122	7.87331710	7.87433060	7.87534175	87329	19	57
7.88135966	7.88235460	7.88334725	7.88433764	7.88532578	87309	19	56
7.89120785	7.89218099	7.89325096	7.89411926	7.89508542	87290	20	55
7.90083762	7.90178896	7.90273822	7.90368561	7.90463053	87270	20	54
7.91025849	7.91118944	7.91211839	7.91304536	7.91397035	87249	21	53
7.91947931	7.92039073	7.92130023	7.92220782	7.92311352	87228	21	52
7.92850843	7.92940110	7.93029194	7.93118096	7.93206815	87207	21	51
7.93735362	7.93822832	7.93910124	7.92997242	7.94084186			50
4	3	2	1	Co-sinus			M.

M.	Tangens	1	2	3	4	5
0	0	5.24187736	5.54290736	5.71899862	5.84393736	5.94084737
1	6.24187737	6.28327006	6.32105862	6.35582072	6.38800541	6.41796862
2	6.54290738	6.56409668	6.58430007	6.60360522	6.62208863	6.63981740
3	6.71899866	6.73323910	6.74702739	6.76039135	6.77335633	6.78594546
4	6.84393743	6.85466129	6.86512673	6.87534590	6.88533013	6.89508997
5	6.94084748	6.94944765	6.95788082	6.96615336	6.97427125	6.98224019
6	7.02002877	7.02720736	7.03426922	7.04121809	7.04805752	7.05479091
7	7.08697562	7.09313593	7.09921009	7.10520046	7.11110932	7.11693887
8	7.14496763	7.15036267	7.15569151	7.16095576	7.16615696	7.17129661
9	7.19612023	7.20091912	7.20566556	7.21036069	7.21500560	7.21960136
10	7.24187780	7.24619918	7.25047799	7.25471506	7.25891118	7.26306715
11	7.28327058	7.28720089	7.29109594	7.29495637	7.29878279	7.30257579
12	7.32105924	7.32466340	7.32823785	7.33178314	7.33529973	7.33878807
13	7.35582146	7.35914942	7.36245206	7.36572978	7.36898295	7.37221194
14	7.38800626	7.39109735	7.39416659	7.39721430	7.40024077	7.40324629
15	7.41796961	7.42085532	7.42372197	7.42656983	7.42939913	7.43221012
16	7.44599847	7.44870438	7.45139353	7.45406614	7.45672240	7.45936251
17	7.47233756	7.47487476	7.47740711	7.47992478	7.48242795	7.48491676
18	7.49715130	7.49955738	7.50195021	7.50432993	7.50669668	7.50905050
19	7.52063256	7.52291224	7.52518022	7.52743631	7.52968075	7.53191365
20	7.54290912	7.54507520	7.54723052	7.54937522	7.55150936	7.55363308
21	7.56409860	7.56616178	7.56821521	7.57025897	7.57229315	7.57431786
22	7.58430218	7.58627179	7.58823251	7.59018443	7.59212759	7.59406211
23	7.60360753	7.60549170	7.60736772	7.60923568	7.61109563	7.61294766
24	7.62209114	7.62389697	7.62569531	7.62748624	7.62926981	7.63104609
25	7.63982013	7.64155386	7.64328170	7.64500071	7.64671392	7.64842041
26	7.65685369	7.65852087	7.66018168	7.66183616	7.66348436	7.66512633
27	7.67324434	7.67484989	7.67644953	7.67804329	7.67963124	7.68121239
28	7.68903885	7.69058716	7.69212998	7.69366733	7.69519926	7.69672580
29	7.70427907	7.70577409	7.70726397	7.70874876	7.71022850	7.71170322
30	7.71900259	7.72044785	7.72188733	7.72332404	7.72475502	7.72618131
31	7.73324329	7.73464202	7.73603625	7.73742602	7.73881136	7.74019230
32	7.74703186	7.74838694	7.74973781	7.75108449	7.75242700	7.75376538
33	7.76039611	7.76171019	7.76302031	7.76432659	7.76562875	7.76692712
34	7.77336138	7.77463687	7.77590863	7.77717667	7.77844102	7.77970171
35	7.78595081	7.78718991	7.78842550	7.78965756	7.79088615	7.79211127
36	7.79818558	7.79939031	7.80059171	7.80178980	7.80298459	7.80417610
37	7.81008512	7.81125734	7.81242641	7.81359233	7.81475513	7.81591483
38	7.82166733	7.82280874	7.82394716	7.82508260	7.82621509	7.82734463
39	7.83294868	7.83406086	7.83517021	7.83627672	7.83738043	7.83848134
40	7.84394441	7.84502883	7.84611055	7.84718957	7.84826592	7.84933962
41	7.85466863	7.85572663	7.85678207	7.85783493	7.85888526	7.85993305
42	7.86513443	7.86616727	7.86719767	7.86822562	7.86925115	7.87027426
43	7.87535397	7.87636244	7.87736934	7.87837353	7.87937540	7.88037496
44	7.88533858	7.88632453	7.88730825	7.88828975	7.88926903	7.89024610
45	7.89509881	7.89606287	7.89702481	7.89798461	7.89894231	7.89989789
46	7.90464453	7.90558766	7.90652875	7.90746781	7.90840484	7.90933985
47	7.91398496	7.91490806	7.91582919	7.91674837	7.91766561	7.91858092
48	7.92312876	7.92403265	7.92493465	7.92583478	7.92673306	7.92762947
49	7.93208403	7.93296949	7.93385314	7.93473500	7.93561507	7.93649337
	Co-tangens	9	8	7	6	5

6	7	8	9	Tangens	Diff. 1æ. 6.241	2æ.	
6.02002862	6.08697540	6.14496735	6.19611988	6.24187737			99
6.44599736	6.47232630	6.49714988	6.52063098	6.54290738	87737	1	98
6.65685074	6.67324116	6.68903543	6.70427540	6.71899866	87738	2	97
6.79817992	6.81007915	6.82166102	6.83294203	6.84393743	87740	3	96
6.90463529	6.91397532	6.92311870	6.93207355	6.94084748	87743	4	95
6.99006553	6.99775236	7.00530550	7.01272953	7.02002878	87747	5	94
7.06142149	7.06795236	7.07438648	7.08072667	7.08697562	87752	6	93
7.12269121	7.12836835	7.13397223	7.13950473	7.14496764	87758	7	92
7.17637614	7.18139695	7.18636039	7.19126772	7.19612023	87764	7	91
7.22414900	7.22864951	7.23310386	7.23751300	7.24187781	87772	8	90
7.26718372	7.27126164	7.27530163	7.27930438	7.28327059	87780	9	89
7.30633595	7.31006383	7.31375998	7.31742494	7.32105925	87790	10	88
7.34224861	7.34568179	7.34908805	7.35246781	7.35582147	87800	11	87
7.37541709	7.37859876	7.38175729	7.38489301	7.38800627	87811	12	86
7.40623106	7.40919565	7.41214004	7.41506461	7.41796962	87823	13	85
7.43500303	7.43777810	7.44053555	7.44327560	7.44599848	87835	14	84
7.46198667	7.46459506	7.46718789	7.46976533	7.47232756	87849	15	83
7.48739141	7.48985201	7.49229876	7.49473181	7.49715130	87864	15	82
7.51139183	7.51372051	7.51603677	7.51834074	7.52063256	87879	16	81
7.53413513	7.53634530	7.53854429	7.54073218	7.54290913	87895	17	80
7.55574646	7.55784960	7.55994260	7.56202557	7.56409861	87913	18	79
7.57633317	7.57833917	7.58033595	7.58232259	7.58430218	87931	19	78
7.59598805	7.59790549	7.59981450	7.60171516	7.60360754	87950	20	77
7.61479182	7.61662819	7.61845681	7.62027778	7.62209115	87970	20	76
7.63281514	7.63457701	7.63623176	7.63807974	7.63982013	87990	22	75
7.65012022	7.65181340	7.65350000	7.65518008	7.65685370	88012	22	74
7.66676212	7.66839177	7.67001532	7.67163283	7.67324435	88034	23	73
7.68278980	7.68436051	7.68592557	7.68748500	7.68903886	88058	24	72
7.69824700	7.69976289	7.70127351	7.70277889	7.70422907	88082	25	71
7.71317294	7.71463770	7.71609754	7.71755249	7.71900259	88107	26	70
7.72760292	7.72901989	7.73043226	7.73184005	7.73324330	88133	27	69
7.74156885	7.74294106	7.74430894	7.74567253	7.74703186	88160	28	68
7.75509965	7.75642983	7.75775595	7.75907804	7.76039611	88188	29	67
7.76822162	7.76951227	7.77079910	7.77208213	7.77336138	88217	29	66
7.78095874	7.78221215	7.78346195	7.78470816	7.78595081	88246	31	65
7.79333295	7.79455120	7.79576604	7.79697749	7.79818558	88277	31	64
7.80536435	7.80654937	7.80773115	7.80890973	7.81008513	88308	32	63
7.81707144	7.81822498	7.81937547	7.82052291	7.82166733	88340	33	62
7.82847124	7.82959493	7.83071573	7.83183364	7.83294868	88373	34	61
7.83957947	7.84067482	7.84176742	7.84285729	7.84394442	88407	35	60
7.85041067	7.85147908	7.85254487	7.85360805	7.85466864	88442	36	59
7.86097833	7.86202109	7.86304135	7.86409913	7.86513444	88478	36	58
7.87129497	7.87231328	7.87332921	7.87434278	7.87535398	88514	37	57
7.88137224	7.88236722	7.88335993	7.88435038	7.88533858	88552	38	56
7.89122101	7.89219421	7.89316423	7.89413260	7.89509881	88590	39	55
7.90085138	7.90180278	7.90275209	7.90369954	7.90464453	88629	40	54
7.91027286	7.91120387	7.91213287	7.91305991	7.91398497	88669	41	53
7.91949430	7.92040578	7.92131534	7.92222300	7.92312877	88710	42	52
7.92852405	7.92941679	7.93030769	7.93119677	7.93208404	88752	43	51
7.93736989	7.93824465	7.93911765	7.93998889	7.94085840	88795	44	50
4	3	2	1	Co-tangens			M.

M.	Sinus	1	2	3	4	5
50	7·94084186	7·94170956	7·94257553	7·94343977	7·94430230	7·94516312
51	7·94944181	7·95029251	7·95114155	7·95198893	7·95283466	7·95367875
52	7·95787475	7·95870911	7·95954186	7·96037303	7·96120260	7·96203059
53	7·96614704	7·96696567	7·96778276	7·96859841	7·96941234	7·97022484
54	7·97426470	7·97506818	7·97587018	7·97667066	7·97746974	7·97826732
55	7·98223339	7·98302227	7·98380973	7·98459576	7·98538036	7·98616356
56	7·99005848	7·99083329	7·99160672	7·99237877	7·99314946	7·99391878
57	7·99774506	7·99250629	7·99926618	8.00002475	8.00078199	8.00153792
58	8.00529794	8.00604606	8.00679288	8.00753843	8.00828269	8.00902569
59	8.01272170	8.01345715	8.01419134	8.01492431	8.01565603	8.01638653
60	8.02002069	.02074388	.02146587	.02218666	.02290626	.02362467
61	8.02719900	.02791035	.02862053	.02932956	.03003743	.03074414
62	8.03426058	.03496046	.03565922	.03635686	.03705337	.03774877
63	8.04120917	.04189795	.04258564	.04327224	.04395776	.04464220
64	8.04804831	.04872634	.04940331	.05007922	.05075409	.05142791
65	8.05478141	.05544901	.05611559	.05678115	.05744569	.05810921
66	8.06141169	.06206919	.06272569	.06338120	.06403573	.06468926
67	8.06794227	.06858996	.06923668	.06988244	.07052424	.07117109
68	8.07437608	.07501425	.07565149	.07628779	.07692315	.07755759
69	8.08071596	8.08134487	8.08197290	8.08260001	8.08322622	8.08385157
70	8.08696460	.04758455	.08820362	.08882180	.08943911	.09005553
71	8.09312460	.09373582	.09434618	.09495569	.09550434	.09617214
72	8.09919843	.09980117	.10040307	.10100414	.10160438	.10220378
73	8.10518848	.10578296	.10637663	.10696950	.10766155	.10815280
74	8.11109701	8.11168447	8.11226913	8.11285401	8.11343809	8.11402140
75	8.11692623	.11750487	.11808274	.11865984	.11923618	.11981175
76	8.12267822	.12324925	.12381954	.12438908	.12495786	.12552590
77	8.12835503	.12891864	.12948153	.13004369	.13060512	.13116583
78	8.13395856	.13451495	.13507064	.13562561	.13617988	.13673344
79	8.13949070	8.14004005	8.14058872	8.14113670	8.14168398	8.14223056
80	8.14495324	.14549574	.14603755	.14657870	.14711917	.14765896
81	8.15034792	.15088372	.15141886	.15195334	.15248716	.15302033
82	8.15567639	.15620566	.15673429	.15726227	.15778961	.15831631
83	8.16094027	.16146316	.16198543	.16250707	.16302808	.16354847
84	8.16614110	8.16665777	8.16717383	8.16768927	8.16820411	8.16871833
85	8.17124037	.17179096	.17230096	.17281036	.17331916	.17382737
86	8.17635951	.17686418	.17736826	.17787174	.17837465	.17887798
87	8.18137993	.18187879	.18237709	.18287481	.18337196	.18386854
88	8.18634296	.18683616	.18732880	.18782088	.18831240	.18880337
89	8.19124991	8.19173757	8.19222469	8.19271126	8.19319727	8.19368274
90	8.19610203	.19668426	.19706596	.19754714	.19802778	.19850789
91	8.20090050	.20137744	.20185387	.20232977	.20280514	.20328000
92	8.20564653	.20611829	.20658954	.20706028	.20753051	.20800023
93	8.21034125	.21080794	.21127413	.21173982	.21220501	.21266970
94	8.21498574	8.21544747	8.21590870	8.21636945	8.21682971	8.21728949
95	8.21958107	.22003794	.22049433	.22095024	.22140568	.22186063
96	8.22412828	.22458039	.22503203	.22548321	.22593391	.22638415
97	8.22862836	.22907581	.22952280	.22996933	.23041541	.23086102
98	8.23304227	.23352515	.23396759	.23440958	.23485112	.23529221
99	8.23749095	8.23792937	8.23836734	8.23880488	8.23924197	8.23967862
	Co-sinus	9	8	7	6	5

6	7	8	9	Sinus	Diff 1æ. 6.241	2æ.	
7.94502224	7.94687966	7.94773539	7.94858944	7.94944181	87185	22	49
7.95452119	7.95536202	7.95620121	7.95703779	7.95787475	87163	22	48
7.96285701	7.96368186	7.96450514	7.96532687	7.96614704	87140	23	47
7.97103582	7.97184530	7.97265326	7.97345973	7.97426470	87117	23	46
7.97916344	7.97985810	7.98065130	7.98144307	7.98223339	87093	24	45
7.98694534	7.98772572	7.98850470	7.98928229	7.99005848	87069	24	44
7.99468674	7.99545334	7.99621859	7.99698251	7.99774506	87045	25	43
8.00229254	8.00304584	8.00379784	8.00454854	8.00529794	87020	25	42
8.00976741	8.01050787	8.01124707	8.01198501	8.01272170	86995	25	41
8.01711579	8.01784384	8.01857067	8.01929629	8.02002069	86969	26	40
.02434189	.02505794	.02577280	.02648648	.02719900	86943	26	39
.03144971	.03215414	.03285742	.03355957	.03426058	86916	27	38
.03848306	.03913624	.03982832	.04051929	.04120917	86889	27	37
.04532556	.04600785	.04668907	.04736922	.04804831	86861	28	36
.05210068	.05277242	.05344311	.05411278	.05478141	86833	28	35
.05877171	.05943322	.06009371	.06075321	.06141169	86805	28	34
.06534182	.06599339	.06664399	.06729362	.06794227	86776	28	33
.07181399	.07245593	.07309693	.07373698	.07437608	86747	29	32
.07819111	.07882370	.07945537	.08008612	.08071596	86717	29	31
8.08447593	8.08509943	8.08572205	8.08634377	8.08696460	86687	31	30
.09067108	.09128576	.09189957	.09251252	.09312460	86656	31	29
.09677909	.09738519	.09799044	.08859486	.09919843	86625	31	28
.10280237	.10340012	.10399706	.10459318	.10518848	86593	32	27
.10874324	.10933288	.10992172	.11050976	.11109701	86561	32	26
8.11460392	8.11518564	8.11576663	8.11634682	8.11692623	86529	32	25
.12038656	.12096061	.12153391	.12210644	.12267822	86496	33	24
.12609520	.12665976	.12722558	.12779067	.12835503	86463	33	23
.13172581	.13228567	.13284362	.13340145	.13395856	86429	34	22
.13728629	.13783844	.13838989	.13894065	.13949070	86395	34	21
8.14277647	8.14332169	8.14386622	8.14441008	8.14495324	86360	35	20
.14819808	.14873653	.14927432	.14981146	.15034792	86325	35	19
.15355284	.15408471	.15461592	.15514648	.15567639	86290	36	18
.15884237	.15935780	.15989259	.16041675	.16094027	86254	36	17
.16406823	.16458738	.16510590	.16562341	.16614110	86217	36	16
8.16923195	8.16974496	8.17025736	8.17076917	8.17124037	86180	37	15
.17433497	.17384199	.17534842	.17585426	.17635951	86143	37	14
.17937872	.17987989	.18038048	.18088049	.18137993	86106	38	13
.18436455	.18486000	.18535489	.18584921	.18634296	86067	38	12
.18929378	.18978364	.19027295	.19076170	.19124991	86029	38	11
8.19417767	8.19465207	8.19513592	8.19561924	8.19610203	85990	39	10
.19898747	.19946652	.19994504	.20042303	.20090050	85950	39	9
.20375434	.20422817	.20470167	.20517426	.20564653	85910	40	8
.20846945	.20893815	.20940636	.20987405	.21034125	85870	40	7
.21313390	.21359760	.21406081	.21452352	.21498574	85829	41	6
8.21774877	8.21820757	8.21866589	8.21912372	8.21958107	85788	41	5
.22231511	.22276911	.22322264	.22367569	.22412828	85746	42	4
.22683392	.22728422	.22773206	.22818044	.22862836	85704	42	3
.23130618	.23175089	.23219594	.23263893	.23304227	85662	42	2
.23573285	.23617304	.23661279	.23705209	.23749095	85619	43	1
8.24011483	8.24055061	8.24098595	8.24142085	8.24185531	85575	43	0
4	3	2	1	Co-sinus			M.

M.	*Tangens*	1	2	3	4	5
50	7.94085840	7.94172616	7.94259219	7.94345651	7.94431910	7.94517999
51	7.94945901	7.95030978	7.95115889	7.95200633	7.95285214	7.95369619
52	7.95789263	7.95872706	7.95955989	7.96039112	7.96122076	7.96204883
53	7.96616562	7.96698432	7.96780148	7.96861720	7.96943120	7.97024377
54	7.97428399	7.97508754	7.97588961	7.97669016	7.97748932	7.97828697
55	7.98225340	7.98304235	7.98382988	7.98461598	7.98540066	7.98618393
56	7.99007922	7.99085415	7.99162761	7.99239974	7.99317050	7.99393989
57	7.99776655	7.99852785	7.99928782	8.00004646	8.00080379	8.00155979
58	8.00532020	8.00606838	8.00681529	8.00756091	8.00830526	8.00904832
59	8.01274473	8.01348025	8.01421453	8.01494757	8.01567937	8.01640994
60	8.02004449	.02076777	.02148984	.02221071	.02293039	.02364888
61	8.02722361	.02793504	.02864531	.02935441	.03006236	.03076916
62	8.03428601	.03498597	.03568481	.03638253	.03707913	.03777461
63	8.04123542	.04192428	.04261206	.04329875	.04398435	.04466888
64	8.04807540	8.04875351	8.04943057	8.05010657	8.05078152	8.05145543
65	8.05480936	.05547704	.05614371	.05680935	.05747398	.05813759
66	8.06144051	.06209809	.06275467	.06341028	.06406489	.06471852
67	8.06797197	.06861974	.06926656	.06991240	.07055729	.07120123
68	8.07440667	.07504493	.07568225	.07631864	.07695410	.07758863
69	8.08074745	8.08137647	8.08200458	8.08263178	8.08325807	8.08388347
70	8.08699702	.08761706	.08823621	.08885449	.08947189	.09008840
71	8.09315795	.09376926	.09437972	.09498932	.09559806	.09620595
72	8.09923273	.09983556	.10043755	.10103871	.10163905	.10223855
73	8.10522373	.10581831	.10641208	.10700504	.10759718	.10818853
74	8.11113324	8.11172079	8.11230555	8.11289053	8.11347471	8.11405812
75	8.11696344	.11754217	.11812014	.11869735	.11927379	.11984946
76	8.12271643	.12328756	.12385794	.12442758	.12499647	.12556461
77	8.12839424	.12895796	.12952095	.13008321	.13063475	.13120556
78	8.13399880	.13455528	.13511109	.13566617	.13622053	.13677420
79	8.13953198	.14008144	.14063022	.14117829	.14172568	.14227237
80	8.14499558	.14553818	.14608010	.14662135	.14716191	.14770182
81	8.15039132	.15092722	.15146247	.15199706	.15253099	.15306427
82	8.15572087	.15625025	.15677898	.15731707	.15783452	.15836133
83	8.16098584	.16150884	.16203122	.16255297	.16307409	.16359459
84	8.16618777	8.16670455	8.16722072	8.16773628	8.16825123	8.16876557
85	8.17132815	.17183886	.17234897	.17285849	.17336740	.17387572
86	8.17640843	.17691322	.17741741	.17792101	.17842403	.17892747
87	8.18143000	.18192898	.18242738	.18292522	.18342249	.18391918
88	8.18639419	.18688750	.18738025	.18787246	.18836410	.18885518
89	8.19130231	.19179009	.19227732	.19276401	.19325014	.19373573
90	8.19615560	.19663796	.19711977	.19760107	.19808184	.19856206
91	8.20095528	.20143234	.20190888	.20238491	.20286041	.20333538
92	8.20570252	.20617440	.20664578	.20711664	.20758699	.20805683
93	8.21039846	.21086527	.21133158	.21179740	.21226272	.21272753
94	8.21504419	.21550604	.21596740	.21642828	.21688866	.21734856
95	8.21964077	.22009777	.22055428	.22101032	.22146588	.22192096
96	8.22418924	.22464148	.22509325	.22554455	.22599539	.22644585
97	8.22869060	.22913817	.22958530	.23003196	.23047816	.23092391
98	8.23314580	.23358882	.23403138	.23447350	.23491517	.23535639
99	8.23755579	8.23799433	8.23843244	8.23887010	8.23930732	8.23974411
	Co-tangens	9	8	7	6	5

6	7	8	9	*Tangens*	Diff. 1″. 6.241	2″.	
7.94603917	7.94689666	7.94775246	7.94860657	7.94945901	88839	44	49
7.95453881	7.95537970	7.95621896	7.95705560	7.95789263	88883	46	48
7.96287531	7.96370023	7.96452358	7.96534538	7.96616562	88929	46	47
7.97105483	7.97186437	7.97267241	7.97347894	7.97428399	88975	47	46
7.97908315	7.97987789	7.98067117	7.98146300	7.98225340	89022	48	45
7.98696579	7.98774624	7.98852530	7.98930296	7.99007922	89070	49	44
7.99470793	7.99547460	7.99623993	7.99700393	7.99776655	89119	50	43
8.00231448	8.00306786	8.00381993	8.00457071	8.00532020	89169	51	42
8.00979012	8.01053066	8.01126994	8.01200796	8.01274473	89220	51	41
8.01713929	8.01786742	8.01859432	8.01932002	8.02004449	89271	52	40
.02436619	.02508231	.02579725	.02651102	.02722361	89324	53	39
.03147481	.03217932	.03288268	.03358491	.03428601	89377	54	38
.03846898	.03916224	.03985440	.04054546	.04123542	89431	56	37
.04535232	.04603469	.04671600	.04739623	.04807540	89487	56	36
8.05212829	8.05280011	8.05347089	8.05414064	8.05480936	89543	57	35
.05880018	.05946177	.06012235	.06078193	.06144051	89600	57	34
.06537116	.06602282	.06667351	.06732322	.06797197	89657	58	33
.07185421	.07248625	.07312733	.07376747	.07440667	89716	59	32
.07822223	.07885492	.07948668	.08011752	.08074745	89775	60	31
8.08450797	8.08503157	8.08575427	8.08637609	8.08699702	89836	61	30
.09070405	.09131882	.09193273	.09254577	.09315785	89897	62	29
.09681300	.09741919	.09802455	.08862905	.09923263	89959	63	28
.10283723	.10343509	.10403212	.10462833	.10522363	90022	63	27
.10877907	.10936880	.10995775	.11054589	.11113314	90086	64	26
8.11464074	8.11582255	8.11580363	8.11638392	8.11696344	90151	65	25
.12042436	.12099852	.12157191	.12214455	.12271643	90217	66	24
.12613201	.12669867	.12726460	.12782979	.12839424	90283	67	23
.13176564	.13232501	.13288365	.13344159	.13399880	90351	68	22
.13732715	.13787941	.13833097	.13898182	.13953198	90419	69	21
.14281838	.14336370	.14390835	.14445230	.14499558	90489	70	20
.14824106	.14877960	.14931751	.14985475	.15039132	90559	71	19
.15359689	.15412886	.15466018	.15519085	.15572087	90630	72	18
.15888750	.15941304	.15993794	.16046221	.16098584	90702	72	17
.16411446	.16463372	.16515236	.16567037	.16618777	90674	73	16
8.16927929	8.16979241	8.17030493	8.17081685	8.17132815	90848	74	15
.17438344	.17489058	.17539712	.17590307	.17640843	90923	75	14
.17942833	.17892961	.18043032	.18093045	.18143000	90998	76	13
.18441531	.18491088	.18540588	.18590031	.18639419	91074	77	12
.18934570	.18983568	.19032511	.19081398	.19130231	91151	78	11
.19422078	.19470529	.19518927	.19567270	.19615560	91230	78	10
.19904176	.19952093	.19999957	.20047769	.20095528	91308	79	9
.20380984	.20428379	.20475741	.20523012	.20570252	91388	80	8
.20852617	.20899500	.20946332	.20993114	.21039846	91469	81	7
.21319185	.21365567	.21411901	.21458184	.21504419	91551	82	6
.21780797	.21826690	.21872533	.21918330	.21964077	91633	83	5
.22237556	.22282969	.22328335	.22373653	.22418924	91716	84	4
.22689564	.22734608	.22779405	.22824255	.22869060	91801	85	3
.23136919	.23181403	.23225841	.23270233	.23314580	91886	86	2
.23579716	.23623748	.23667736	.23711680	.23755579	91972	87	1
8.24018045	8.24061636	8.24105183	8.24148687	8.24192147	91059	87	0
4	3	2	1	*Co-tangens*			M.

M.	Sinus	1	2	3	4	5
0	8.24185531	8.24228935	8.24272295	8.24315612	8.24358886	8.24402117
1	8.24617625	.24660599	.24703539	.24746419	.24789265	.24832069
2	8.25045460	.25088012	.25130523	.25172993	.25215420	.25257807
3	8.25469120	.25511259	.25553358	.25595416	.25637433	.25679409
4	8.25888686	8.25930420	8.25972115	8.26013769	8.26055383	8.26096958
5	8.26304236	8.26345573	8.26386871	8.26428129	8.26469348	8.26510529
6	8.26715846	.26756793	.26797702	.26838571	.26879403	.26920197
7	8.27123590	.27164155	.27204681	.27245160	.27285622	.27326035
8	8.27527540	.27567729	.27607881	.27647996	.27688074	.27728115
9	8.27927767	8.27967597	8.28007371	8.28047119	8.28086830	8.28126505
10	8.28324337	8.28363796	8.28403219	8.28442606	8.28481957	8.28521272
11	8.28717318	.28756421	.28795489	.28834522	.28873520	.28912482
12	8.29106773	.29145527	.29184247	.29222932	.29261582	.29300198
13	8.29492766	.29531177	.29569554	.29607897	.29646207	.29684482
14	8.29875356	8.29913431	8.29951472	8.29989479	8.30027454	8.30065395
15	8.30254605	8.30292348	8.30330058	8.30367736	8.30405381	8.30442994
16	8.30630569	.30667987	.30705373	.30752726	.30780047	.30817337
17	8.31003305	.31040402	.31077469	.31114504	.31151507	.31188479
18	8.31372867	.31409651	.31446404	.31483125	.31519816	.31556476
19	8.31739311	8.31775785	8.31812229	8.31848643	8.31885026	8.31921379
20	8.32102686	8.32138857	8.32174998	8.32211109	8.32247189	8.32283249
21	8.32463046	.32498917	.32534760	.32570573	.32606356	.32642109
22	8.32820438	.32856016	.32891565	.32927085	.32962575	.32998037
23	8.33174912	.33210201	.33245461	.33180693	.33315895	.33351070
24	8.33526515	8.33561519	8.33596495	8.33631443	8.33666363	8.33701254
25	8.33875293	8.33910017	8.33944713	8.33979382	8.34014023	8.34048637
26	8.34221291	.34255739	.34290161	.34324555	.34358921	.34393261
27	8.34564553	.34598730	.34632880	.34667004	.34701101	.34735171
28	8.34905121	.34939031	.34972915	.35006773	.35040609	.35074409
29	8.35243039	8.35276686	8.35310307	8.35343903	8.35377472	8.35411015
30	8.35578346	8.35611734	8.35645097	8.35678435	8.35711747	8.35745033
31	8.35911082	.35944216	.35977325	.36010408	.36043466	.36076499
32	8.36241288	.36274171	.36307029	.36339862	.36372670	.36405454
33	8.36569001	.36601636	.36634247	.36666834	.36699396	.36731934
34	8.36894257	8.36926649	8.36959017	8.36991361	8.37023681	8.37055976
35	8.37217095	8.37249247	8.37281375	8.37313480	8.37345561	8.37377618
36	8.37537549	.37569465	.37601357	.37633226	.37665072	.37696894
37	8.37855655	.37887338	.37918997	.37950634	.37982247	.38013838
38	8.38171446	.38202899	.38234330	.38265737	.38297122	.38328485
39	8.38484957	8.38516183	8.38547388	8.38578570	8.38609729	8.38640867
40	8.38796219	8.38827222	8.38858204	8.38889164	8.38920101	8.38951016
41	8.39105264	.39136048	.39166810	.39197551	.39228269	.39258967
42	8.39412125	.39442692	.39473238	.39503762	.39534265	.39564746
43	8.39716832	.39747185	.39777517	.39807838	.39838118	.39868386
44	8.40019414	8.40049556	8.40079678	8.40109779	8.40139859	8.40169917
45	8.40319901	8.40349836	8.40379749	8.40409643	8.40439516	8.40469368
46	8.40618322	.40648052	.40677761	.40707450	.40737119	.40766767
47	8.40914706	.40944233	.40973740	.41003227	.41032695	.41062142
48	8.41299079	.41238406	.41267714	.41297003	.41326271	.41355520
49	8.41501468	8.41530599	8.41559711	8.41588803	8.41687872	8.41646928
	Co-sinus	9	8	7	6	5

6	7	8	9	Sinus	Diff. 1a. 6.241	2a.	
8.24445303	8.24488448	8.24531549	8.24574609	8.24617625	85531	44	99
.24874831	.24917551	.24960230	.25002866	.25045460	85487	44	98
.25300152	.25342455	.25384718	.25426939	.25469120	85442	45	97
.25721346	.25763241	.25805096	.25846911	.25888686	85397	45	96
8.26138493	8.26179988	8.26221443	8.26262859	8.26304236	85351	46	95
8.26551670	8.26592772	8.26633835	8.26674860	8.26715846	85305	46	94
.26960962	.27001668	.27042347	.27082988	.27123590	85259	46	93
.27366411	.27406749	.27447051	.27487314	.27527540	85212	47	92
.27768119	.27808086	.27848016	.27887910	.27927767	85165	47	91
8.28166144	8.28205746	8.28245313	8.28284843	8.28324337	85117	48	90
8.28560532	8.28599797	8.28639006	8.28678179	8.28717318	85068	48	89
.28951410	.28990303	.29029161	.29067985	.29106773	85020	49	88
.29338780	.29377326	.29415841	.29454321	.29492766	84971	49	87
.29722724	.29760933	.29799108	.29837249	.29875356	84921	50	86
8.30103303	8.30141178	8.30179020	8.30216829	8.30254605	84871	50	85
8.30480574	8.30518121	8.30555636	8.30593119	8.30630569	84820	50	84
.30854594	.30891819	.30929013	.30966175	.31003305	84769	51	83
.31225419	.31262328	.31299206	.31336052	.31372867	84718	51	82
.31593104	.31629702	.31666269	.31702805	.31739311	84666	51	81
8.31957701	8.31993993	8.32030255	8.32066485	8.32102686	84614	52	80
8.32319261	8.32355251	8.32391213	8.32427144	8.32463046	84561	52	79
.32677834	.32713529	.32759194	.32744831	.32820438	84508	53	78
.33033470	.33068873	.33104248	.33139595	.33174912	84455	53	77
.33386215	.33421333	.33456422	.33491483	.33526515	84400	54	76
8.33736118	8.33770953	8.33805761	8.33840541	8.33875292	84346	54	75
8.34083222	8.34117781	8.34152311	8.34186815	8.34221291	84291	55	74
.34427573	.34461859	.34496117	.34530348	.34564553	84236	55	73
.34769214	.34803231	.34837221	.34871184	.34905121	84180	56	72
.35108187	.35141949	.35175665	.35209365	.35243039	84124	56	71
8.35444533	8.35478025	8.35511491	8.35544931	8.35578346	84067	57	70
8.35778294	8.35811529	8.35844739	8.35877923	8.35911082	84010	57	69
.36109507	.36142490	.36175448	.36208380	.36241288	83952	58	68
.36438212	.36470946	.36503656	.36536340	.36569001	83894	58	67
.36764447	.36796936	.36829401	.36861841	.36894257	83836	58	66
8.37088248	8.37120495	8.37152719	8.37184919	8.37217095	83777	59	65
8.37409651	8.37441661	8.37473648	8.37505610	8.37537549	83718	59	64
.37728692	.37760468	.37792220	.37823949	.37855655	83658	60	63
.38045405	.38076950	.38108472	.38139970	.38171446	83598	60	62
.38359824	.38391141	.38422435	.38453707	.38484957	83537	61	61
8.38671982	8.38703074	8.38734145	8.38765193	8.38796219	83476	61	60
8.38981910	8.39012781	8.39043632	8.39074459	8.39105264	83415	61	59
.39289641	.39320294	.39350926	.39381537	.39412125	83353	62	58
.39595206	.39625644	.39656061	.39686457	.39716832	83290	62	57
.39898634	.39928860	.39959066	.39989250	.40019414	83227	63	56
8.40199956	8.40229973	8.40259970	8.40289946	8.40319901	83164	63	55
8.40499110	8.40529011	8.40558802	8.40588572	8.40618322	83100	64	54
.40796395	.40826003	.40855591	.40885158	.40914706	83036	64	53
.41091569	.41120976	.41150364	.41179731	.41209079	82972	65	52
.41384749	.41413958	.41443148	.41472318	.41501468	82907	65	51
8.41675961	8.41704975	8.41733970	8.41762946	8.41791902	82841	66	50
4	3	2	1	Co-sinus			M.

M.	*Tangens*	1	2	3	4	5
0	8.24192147	8.24235563	8.24278937	8.24322266	8.24365554	8.24408798
1	8.24624373	.24667360	.24710304	.24753107	.24796067	.24838884
2	8.25052342	.25094908	.25137433	.25179915	.25222357	.25264757
3	8.25476138	.25518291	.25560403	.25602475	.25644506	.25686496
4	8.25895841	8.25937589	8.25979297	8.26020965	8.26062593	8.26104181
5	8.26311529	8.26352880	8.26394191	8.26435464	8.26476693	8.26517891
6	8.26723279	.26764239	.26805162	.26846046	.26886892	.26927600
7	8.27131164	.27171742	.27212283	.27252776	.27293252	.27333680
8	8.27535256	.27575460	.27615626	.27655755	.27695847	.27735802
9	8.27935626	8.27975471	8.28015260	8.28055021	8.28094747	8.28134436
10	8.28332342	8.28371814	8.28411252	8.28450653	8.28490019	8.28529359
11	8.28725468	.28764586	.28803668	.28843716	.28881729	.28920706
12	8.29115071	.29153840	.29192574	.29231274	.29269940	.29308571
13	8.29501212	.29539638	.29578030	.29616389	.29654713	.29693004
14	8.29883953	8.29922043	8.29960099	8.29998122	8.30036111	8.30074067
15	8.30263353	8.30301111	8.30338837	8.30376531	8.30414191	8.30451818
16	8.30639470	.30676903	.30714304	.30781673	.30789010	.30826315
17	8.31012360	.31049473	.31086555	.31123605	.31160625	.31197612
18	8.31382078	.31418878	.31455646	.31492383	.31529090	.31565765
19	8.31748678	8.31785169	8.31821629	8.31858058	8.31894457	8.31930825
20	8.32112212	8.32148399	8.32184555	8.32220682	8.32256778	8.32292845
21	8.32472731	.32508619	.32544477	.32580306	.32616105	.32651874
22	8.32830284	.32865878	.32901443	.32936979	.32972486	.33007964
23	8.33184920	.33220225	.33255501	.33190749	.33325969	.33361159
24	8.33536686	8.33571627	8.33606699	8.33641663	8.33676600	8.33711508
25	8.33885629	8.33920369	8.33955083	8.33989768	8.34024426	8.34059056
26	8.34231793	.34266258	.34300696	.34335107	.34369491	.34403856
27	8.34575222	.34609416	.34643584	.34677724	.34711838	.34745924
28	8.34915960	.34949887	.34983788	.35017662	.35051510	.35085332
29	8.35254047	8.35287712	8.35321350	8.35354962	8.35388549	8.35422109
30	8.35589525	8.35622931	8.35656312	8.35689666	8.35722995	8.35756299
31	8.35922435	.35955586	.35988712	.36021813	.36054888	.36087938
32	8.36252814	.36285714	.36318590	.36351440	.36384267	.36417068
33	8.36580702	.36613355	.36645984	.36678588	.36711168	.36743724
34	8.36906136	8.36938546	8.36970931	8.37003293	8.37035630	8.37067944
35	8.37229151	8.37261321	8.37293468	8.37325590	8.37357688	8.37389763
36	8.37549785	.37581718	.37613629	.37645516	.37677379	.37709219
37	8.37868071	.37899772	.37931450	.37963104	.37994736	.38026345
38	8.38184044	.38215516	.38246964	.38278390	.38309794	.38341174
39	8.38497738	8.38528983	8.38560205	8.38591406	8.38622585	8.38653750
40	8.38809185	8.38840207	8.38871207	8.38902185	8.38933142	8.38964075
41	8.39118416	.39149219	.39180000	.39210759	.39241496	.39272211
42	8.39425464	.39456050	.39486614	.39517157	.39547659	.39578179
43	8.39730359	.39760731	.39791083	.39821432	.39851721	.39882009
44	8.40033131	8.40063293	8.40093433	8.40123553	8.40153652	8.40183731
45	8.40333810	8.40363764	8.40393697	8.40423609	8.40453501	8.40483373
46	8.40632424	.40662172	.40691901	.40721609	.40751297	.40780965
47	8.40929001	.40958547	.40988074	.41017581	.41044068	.41076534
48	8.41223569	41252916	.41282244	.41311552	.41340840	.41370108
49	8.41516153	8.41545306	8.41564437	8.41603549	8.41632635	8.41661713
	Co-tangens	9	8	7	6	5

6	7	8	9	Tangens	Diff. 1æ. 6.241	2æ.	
8.24451998	8.24495155	8.24538271	8.24581343	8.24624373	92146	88	99
8.24881660	.24924393	.24967085	.25009734	.25052342	92235	89	98
8.25307115	.25349433	.25391709	.25433944	.25476138	92325	90	97
8.25728445	.25770355	.25812224	.25854052	.25895841	92415	91	96
8.26145730	8.26187239	8.26228709	8.26270134	8.26311529	92506	92	95
8.26559046	8.26600163	8.26641240	8.26682279	8.26723279	92598	93	94
8.26968489	.27009200	.27049892	.27090547	.27131164	92692	94	93
8.27374070	.27414423	.27454738	.27495016	.27535256	92786	94	92
8.27775920	.27805902	.27855847	.27895754	.27935626	92880	96	91
8.28174090	8.28213707	8.28253288	8.28292833	8.28332342	92976	96	90
8.28568644	8.28607903	8.28647127	8.28686315	8.28725468	93073	97	89
8.28959649	.28998556	.29037430	.29076268	.29115071	93170	98	88
8.29347167	.29385728	.29424258	.29462752	.29501212	93268	99	87
8.29731261	.29769484	.29807674	.29845830	.29883953	93368	100	86
8.30111990	8.30149880	8.30187738	8.30225562	8.30263353	93468	101	85
8.30489414	8.30526976	8.30564507	8.30602004	8.30639470	93569	101	84
8.30863588	.30900829	.30938038	.30975215	.31012360	93671	102	83
8.31234568	.31271493	.31308386	.31345248	.31382078	93774	103	82
8.31602413	.31639022	.31675605	.31712157	.31748678	93877	104	81
8.31967163	8.32003471	8.32039749	8.32075995	8.32112212	93982	105	80
8.32328882	8.32364889	8.32400866	8.32436813	8.32472731	94087	106	79
8.32687615	.32723326	.32759008	.32794660	.32830284	94193	107	78
8.33043413	.33078833	.33114224	.33149586	.33184920	94301	108	77
8.33396321	.33431455	.33466560	.33501638	.33536686	94409	108	76
8.33746388	8.33781240	8.33816064	8.33850860	8.33885629	94518	109	75
8.34093658	8.34128233	8.34162780	8.34197300	8.34231793	94627	110	74
8.34438176	.34472478	.34506753	.34541001	.34575222	94738	111	73
8.34779985	.34814018	.34848025	.34882006	.34915960	94850	112	72
8.35119127	.35152907	.35186640	.35220356	.35254047	94962	113	71
8.35455645	8.35489153	8.35522637	8.35556094	8.35589525	95075	114	70
8.35789577	8.35822829	8.35856056	8.35899258	8.35922435	95190	115	69
8.36120964	.36153964	.36186939	.36219889	.36252814	95305	116	68
8.36449844	.36482595	.36515322	.36547025	.36580702	95421	116	67
8.36776254	.36808761	.36841243	.36873702	.36906136	95538	117	66
8.37100233	8.37132498	8.37164740	8.37196957	8.37229151	95656	118	65
8.37421815	8.37453843	8.37485847	8.37517828	8.37549785	95774	119	64
8.37741036	.37772829	.37804600	.37836347	.37868071	95894	120	63
8.38057931	.38089493	.38121033	.38152550	.38184044	96014	121	62
8.38372532	.38403867	.38435180	.38466470	.38497738	96135	122	61
8.38684874	8.38715985	8.38747074	8.38778140	8.38809185	96258	123	60
8.38994987	8.39025878	8.39056748	8.39087592	8.39118416	96381	124	59
8.39302905	.39333577	.39364228	.39394857	.39425464	96505	124	58
8.39608658	.39639115	.39669551	.39699966	.39730359	96629	125	57
8.39912275	.39942521	.39972745	.39999949	.40033131	96755	126	56
8.40213788	8.40243824	8.40273840	8.40303835	8.40333810	96882	127	55
8.40513224	8.40543055	8.40572864	8.40602554	8.40632424	97009	128	54
8.40810612	.40840239	.40869847	.40899434	.40929001	97138	129	53
8.41105981	.41135408	.41164815	.41184202	.41223569	97267	130	52
8.41399357	.41428586	.41457795	.41486985	.41516153	97397	132	51
8.41690767	8.41719801	8.41748815	8.41777810	8.41806786	97526	133	50
4	3	2	1	Co-tangens			M.

M.	*Sinus*	1	2	3	4	5
50	8.41791902	8.41820838	8.41849755	8.41878654	8.41907533	8.41936392
51	8.42080404	.42109149	.42137875	.42166582	.42195270	.42223939
52	8.42367001	.42395557	.42424094	.42452612	.42481112	.42509593
53	8.42651718	.42680087	.42708438	.42736770	.42765084	.42793379
54	8.42934580	8.42962764	8.42990931	8.43019080	8.43047210	8.43075322
55	8.43215609	8.43243612	8.43271597	8.43299564	8.43327513	8.43355445
56	8.43494831	.43522654	.43550460	.43578248	.43606018	.43633771
57	8.43772267	.43799913	.43827542	.43855153	.43882747	.43910323
58	8.44047941	.44075412	.44102867	.44130303	.44157723	.44185125
59	8.44321875	8.44349173	8.44376455	8.44403719	8.44430967	8.44458297
60	8.44594090	8.44621218	8.44648329	8.44675423	8.44702500	8.44729560
61	8.44864609	.44891568	.44918511	.44945437	.44972346	.44999238
62	8.45133452	.45160244	.45187021	.45213780	.45240524	.45267251
63	8.45400639	.45427267	.45453879	.45480475	.45507055	.45533618
64	8.45666191	8.45692657	8.45719107	8.45745541	8.45771959	8.45798360
65	8.45930128	8.45956434	8.45982723	8.46008997	8.46035255	8.46061497
66	8.46192470	.46218617	.46244748	.46270864	.46296964	.46323048
67	8.46453234	.46479225	.46505200	.46531159	.46557103	.46583032
68	8.46712442	.46738277	.46764098	.46789903	.46815692	.46841467
69	8.46970110	8.46995792	8.47021460	8.47047112	8.47072750	8.47098372
70	8.47226257	8.47251788	8.47277305	8.47302807	8.47328293	8.47353765
71	8.47480900	.47506283	.47531650	.47557003	.47582341	.47607664
72	8.47734058	.47759293	.47784513	.47809718	.47834909	.47860086
73	8.47985748	.48010837	.48035911	.48060971	.48086016	.48111047
74	8.48235986	8.48260930	8.48285861	8.48310777	8.48335678	8.48360566
75	8.48484789	8.48509591	8.48534379	8.48559152	8.48583912	8.48608657
76	8.48732173	.48756834	.48781481	.48806114	.48830734	.48855339
77	8.48978155	.49002677	.49027185	.49051679	.49076159	.49100625
78	8.49222751	.49247135	.49271505	.49295862	.49320205	.49344535
79	8.49465975	8.49490222	8.49514456	8.49538677	8.49562884	8.49587078
80	8.49707843	8.49731956	8.49756055	8.49780141	8.49804214	8.49828274
81	8.49948371	.49972350	.49996316	.50020269	.50044209	.50068136
82	8.50187572	.50211419	.50235254	.50259076	.50282884	.50306680
83	8.50425462	.50449179	.50472883	.50496575	.50520253	.50543919
84	8.50662054	8.50685642	8.50709218	8.50732781	8.50756331	8.50779868
85	8.50897363	8.50920824	8.50944272	8.50967708	8.50991131	8.51014541
86	8.51131403	.51154737	.51178060	.51201369	.51224666	.51247951
87	8.51364187	.51387397	.51410594	.51433779	.51456952	.51480112
88	8.51595728	.51618815	.51641889	.51664951	.51688000	.51711037
89	8.51826041	8.51849005	8.51871957	8.51894897	8.51917824	8.51940740
90	8.52055137	8.52077980	8.52100811	8.52123630	.52146438	8.52169233
91	8.52283030	.52305753	.52328465	.52351164	.52373853	.52396528
92	8.52509731	.52532336	.52554930	.52577511	.52600081	.52622639
93	8.52755254	.52757742	.52780218	.52802683	.52825136	.52847578
94	8.52959611	8.52981983	8.53004343	8.53026692	8.53049030	8.53071356
95	8.53182813	8.53205071	8.53227316	8.53249551	8.53271774	8.53293986
96	8.53414873	.53427017	.53449149	.53471270	.53493380	.53515478
97	8.53625802	.53647833	.53669853	.53691862	.53713859	.53735846
98	8.53845611	.53867531	.53889440	.53911337	.53933224	.53955100
99	8.54064312	8.54086122	8.54107921	8.54129708	8.54151481	8.54173251
	Co-sinus	9	8	7	6	5

6	7	8	9	Sinus	Diff. 1e. 6.241	2e.	
8.41965233	8.41994055	8.42022857	8.42051640	8.42080404	82775	66	49
.42252589	.42281221	.42309833	.42338427	.42367001	82709	66	48
.42538056	.42566499	.42594924	.42623331	.42651718	82642	67	47
.42821656	.42849915	.42878155	.42906376	.42934580	82575	67	46
8.43103416	8.43131491	8.43159549	8.43187588	8.43215609	82507	68	45
8.43383358	8.43411253	8.43439130	8.43466989	8.43494831	82539	68	44
.43661505	.43689222	.43716922	.43744603	.43772267	82370	69	43
.43937882	.43965423	.43992946	.44020452	.44047941	82301	69	42
.44212509	.44239877	.44267227	.44294559	.44321875	82232	69	41
8.44485410	8.44512606	8.44539784	8.44566946	8.44594090	82162	70	40
8.44756604	8.44783630	8.44811640	8.44837633	8.44864609	82092	70	39
.45026114	.45052974	.45079816	.45106642	.45133452	82021	71	38
.45293961	.45320655	.45347333	.45373994	.45400639	81950	71	37
.45560165	.45586696	.45613211	.45639709	.45666119	81878	72	36
8.45824746	8.45851116	8.45877469	8.45903807	8.47930128	81806	72	35
8.46087723	8.46113934	8.46140128	8.46166307	8.46192470	81733	73	34
.46349117	.46375170	.46401207	.46427228	.46453234	81660	73	33
.46608945	.46634842	.46660724	.46686591	.46712442	81587	73	32
.46867226	.46892970	.46918698	.46944412	.46970110	81513	74	31
8.47123979	8.47149571	8.47175148	8.47200709	8.47226257	81439	74	30
8.47379222	8.47404664	8.47430091	8.47455503	8.47480900	81364	75	29
.47632972	.47658266	.47683545	.47708809	.47734058	81289	75	28
.47885247	.47910394	.47935527	.47960645	.47985748	81213	76	27
.48136064	.48161066	.48186054	.48211027	.48235986	81137	76	26
8.48385439	8.48410298	8.48435142	8.48459973	8.48484789	81161	76	25
8.48633389	8.48658106	8.48682809	8.48707498	8.48732173	80984	77	24
.48879930	.48904507	.48929071	.48953620	.48978155	80906	77	23
.49125078	.49149517	.49173942	.49198353	.49222751	80828	78	22
.49368850	.49393152	.49417440	.49441714	.49465975	80750	78	21
8.49611258	8.49635424	8.49659577	8.49683717	8.49707843	80671	79	20
8.49852320	8.49876352	8.49900372	8.49924378	8.49948371	80592	79	19
.50092050	.50115950	.50139837	.50163711	.50187572	80513	80	18
.50330462	.50354232	.50377988	.50401731	.50425462	80433	80	17
.50567592	.50591212	.50614839	.50638453	.50662054	80352	81	16
8.50803392	8.50826904	8.50850403	8.50873890	8.50897363	80271	81	15
8.51037938	8.51061324	8.51084696	8.51108056	8.51131403	80190	81	14
.51271223	.51294483	.51317730	.51340965	.51364187	80108	82	13
.51503260	.51526396	.51549519	.51572630	.51595728	80026	82	12
.51734063	.51757075	.51780076	.51803065	.51826041	79943	83	11
8.51963644	8.51988535	8.52009414	8.52032282	8.52055137	79860	83	10
8.52192016	8.52214787	8.52237547	8.52260294	8.52283030	79776	84	9
.52419193	.52441845	.52464486	.52487114	.52509731	79692	84	8
.52645186	.52667720	.52690243	.52712755	.52735254	79608	84	7
.52870008	.52892426	.52914833	.52937228	.52959611	79523	85	6
8.53093670	8.53115973	8.53138265	8.53160545	8.53182813	79438	85	5
8.53316186	8.53338375	8.53360552	8.53382718	8.53404873	79352	86	4
.53537576	.53559652	.53581707	.53603759	.53625802	79266	86	3
.53757821	.53779786	.53801739	.53823681	.53845611	79179	87	2
.53976964	.53998828	.54020660	.54042492	.54064312	79092	87	1
8.54195006	8.54216750	8.54238483	8.54260205	8.54281916	79004	87	0
4	3	2	1	Co-sinus			M.

M.	*Tangens*	1	2	3	4	5
50	8.41806786	8.41835743	8.41864680	8.41893598	8.41922497	8.41951377
51	8.42095488	.42124252	.42152998	.42181725	.42210434	.42239123
52	8.42382286	.42410862	.42439419	.42467957	.42496477	.42514978
53	8.42667204	.42695594	.42723955	.42752317	.42780651	.42808967
54	8.42950269	8.42978474	8.43006661	8.43034830	8.43062980	8.43091113
55	8.43231503	8.43259526	8.43287532	8.43315520	8.43343489	8.43371441
56	8.43510930	.43538774	.43566600	.43594409	.43622200	.43649973
57	8.43788574	.43816241	.43843890	.43871522	.43899136	.43926733
58	8.44064456	.44091948	.44119423	.44146881	.44174321	.44201744
59	8.44338600	8.44365919	8.44393221	8.44420507	8.44447774	8.44475027
60	8.44611026	8.44638175	8.44665307	8.44692422	8.44719521	8.44746602
61	8.44881757	.44908729	.44935701	.44962649	.44989579	.45016493
62	8.45150813	.45177628	.45204425	.45231207	.45257971	.45284720
63	8.45418216	.45444866	.45471499	.45498117	.45524718	.45551303
64	8.45683984	8.45710472	8.45736943	8.45763399	8.45789839	8.45816262
65	8.45948139	8.45974466	8.46000778	8.46027074	8.46053354	8.46079618
66	8.46210700	.46236869	.46263022	.46289160	.46315282	.46341388
67	8.46471685	.46497697	.46523694	.46549676	.46575642	.46601593
68	8.46731114	.46756972	.46782814	.46807641	.46834453	.46860250
69	8.46989005	8.47014710	8.47040399	8.47066075	8.47091734	8.43117379
70	8.47245376	8.47270930	8.47296468	8.47321993	8.47347503	8.47372997
71	8.47500245	.47525650	.47551040	.47576415	.47601776	.47627122
72	8.47753630	.47778887	.47804130	.47829359	.47854572	.47879771
73	8.48005548	.48030660	.48055757	.48080839	.48105908	.48130962
74	8.48256016	8.48280983	8.48305936	8.48330874	8.48355800	8.48380711
75	8.48505050	8.48529874	8.48554686	8.48579482	8.45604265	8.48629034
76	8.48752666	.48777351	.48802021	.48826677	.48851320	.48875948
77	8.48998882	.49023427	.39047958	.49072475	.49096979	.49121469
78	8.49243712	.49268119	.49292514	.49316894	.49341261	.49365614
79	8.49487172	8.49511444	8.49535701	8.49359945	8.49584177	8.49608394
80	8.49729278	8.49753415	8.49777538	8.49801648	8.49825745	8.49849828
81	8.49970045	.49994048	.50018038	.50042015	.50065979	.50089930
82	8.50209486	.50233358	.50257216	.50281062	.50304895	.50328714
83	8.50447617	.50471359	.50495087	.50518803	.50542506	.50566196
84	8.50684452	8.50708065	8.50731665	8.57555252	8.50778827	8.50802389
85	8.50920006	8.50943491	8.50966964	8.50990424	8.51013871	8.51037306
86	8.51154291	.51177650	.51200997	.51224331	.51247653	.51270963
87	8.51387322	.51410556	.51433779	.51456988	.51480186	.51503371
88	8.51619112	.51642223	.51665322	.51688408	.51711483	.51734545
89	8.51849673	8.51872662	8.51895639	8.51918604	8.51941557	8.51964498
90	8.52079020	8.52101884	8.52124745	8.52147589	8.52170422	8.52193242
91	8.52307165	.52329913	.52352651	.52375376	.52398089	.52420791
92	8.52534120	.52556751	.52579369	.52601967	.52624562	.52647146
93	8.52759898	.52782412	.52804913	.52827404	.52849882	.52872349
94	8.52984511	8.53006909	8.53028295	8.53051669	8.53074032	8.53096384
95	8.53207971	8.53230254	8.53252525	8.53274785	8.53297034	8.53319272
96	8.53430289	.53452458	.53474617	.53496764	.53518889	.53541024
97	8.53651478	.53673535	.53695581	.53717616	.53739640	.53761652
98	8.53871549	.53893495	.53915429	.53937354	.53959266	.53981168
99	8.54090513	8.54112348	8.54134173	8.54155987	8.54177791	8.54199583
	Co-tangens	9	8	7	6	5

6	7	8	9	Tangens	Diff. 1a. 6.241	2a.	
8.41980237	8.42009079	8.42037901	8.42066704	8.42095488	97660	133	49
.42267794	.42296445	.42325077	.42353691	.42382286	97793	133	48
.42553460	.42581925	.42610370	.42638806	.42667204	97926	134	47
.42837264	.42865553	.42893803	.42922045	.42950269	98061	135	46
8.43119227	8.43147324	8.43175401	.43203461	8.43231503	98196	136	45
8.43399375	8.43427290	8.43455188	8.43483068	8.43510930	98433	137	44
.43677729	.43705467	.43733187	.43760889	.43788574	98470	138	43
.43954313	.43981875	.44009420	.44036947	.44064456	98608	138	42
.44229150	.44256538	.44283909	.44311263	.44338600	98747	139	41
8.44502261	8.44529478	8.44556678	8.44582960	8.44611026	98887	140	40
8.44773667	8.44800715	8.44827746	8.44854759	8.44881757	99027	141	39
.45043391	.45070271	.45097135	.45123983	.45150813	99169	142	38
.45311452	.45338168	.45364867	.45391550	.45418216	99312	143	37
.45577872	.45604424	.45630961	.45657481	.45683984	99455	144	36
8.45842669	8.45869061	8.45895437	8.45921796	8.45948139	99599	145	35
8.46105866	8.46132098	8.46158314	8.46184515	8.46210700	99744	146	34
.46367479	.46393554	.46419613	.46445657	.46471685	99890	146	33
.46627528	.46653447	.46679352	.46705240	.46731114	00037	147	32
.46886032	.46901798	.46937549	.46963284	.46989005	00185	148	31
8.47143009	8.47168623	8.47194222	8.47219806	8.47245376	00334	149	30
8.47398477	8.47423941	8.47449391	8.47474825	8.47500245	01483	150	29
.47652453	.47677769	.47703071	.47728358	.47753630	01634	151	28
.47904956	.47930126	.47955281	.47980422	.48005548	01785	152	27
.48156001	.48181026	.48206037	.48231034	.48256016	01937	153	26
8.48405607	8.48430489	8.48455357	8.48480210	8.48505050	01190	154	25
8.48653688	8.48678529	8.48703256	8.48727968	8.48752666	01244	154	24
.48900563	.48925164	.48949750	.48974323	.48998882	01399	155	23
.49145945	.49170407	.49194856	.49219291	.49243712	01555	156	22
.49389953	.49414278	.49438590	.49462888	.49487172	01711	157	21
8.49632598	8.49656788	8.49680965	8.49705128	8.49729278	01869	158	20
8.49873898	8.49897955	8.49921998	8.49946028	8.49970045	02027	159	19
.50113868	.50137792	.50161703	.50185601	.50209486	02187	160	18
.50352521	.50376315	.50400095	.50423863	.50447617	02347	161	17
.50589893	.50613537	.50637188	.50660827	.50684452	02508	161	16
8.50825937	8.50849474	8.50872997	8.50896508	8.50920006	02670	162	15
8.51060728	8.51084138	8.51107535	8.51130919	8.51154291	02833	163	14
.51294259	.51317543	.51340815	.51364075	.51387322	02996	164	13
.51526544	.51549704	.51572852	.51595988	.51619112	03161	165	12
.51757595	.51780633	.51803659	.51826672	.51849673	03326	166	11
8.51987427	8.52010343	8.52033248	8.52056140	8.52079020	03493	167	10
8.52216051	8.52238847	8.92261632	8.52284404	8.52307165	03660	168	9
.52443480	.52466158	.52488824	.52511478	.52534120	03828	169	8
.52669717	.52692278	.52714826	.52737363	.52759898	03997	169	7
.52894805	.52917248	.52939681	.52962102	.52984511	04167	170	6
8.53118724	8.53141053	8.53163370	8.53185676	8.53207971	04337	171	5
8.53341498	8.53363713	8.53385916	8.53408108	8.53430289	04509	172	4
.53563137	.53585239	.53607328	.53629409	.53651478	04682	173	3
.53783654	.53805644	.53827624	.53849592	.53871549	04855	174	2
.54003059	.54024939	.54046808	.54068665	.54090513	05029	175	1
8.54221364	8.54243134	8.54264874	8.54286643	8.54308381	05204	176	0
4	3	2	1	Co-tangens			M.

M.	Tangens	1	2	3	4	5
50	8.41806786	8.41835743	8.41864680	8.41893598	8.41922497	8.41951377
51	8.42095488	.42124252	.42152998	.42181725	.42210434	.42239123
52	8.42382286	.42410862	.42439419	.42467957	.42496477	.42514978
53	8.42667204	.42695594	.42723955	.42752317	.42780651	.42808967
54	8.42950269	8.42978474	8.43006661	8.43034830	8.43062980	8.43091113
55	8.43231503	8.43259526	8.43287532	8.43315520	8.43343489	8.43371441
56	8.43510930	.43538774	.43566600	.43594409	.43622200	.43649973
57	8.43788574	.43816241	.43843890	.43871522	.43899136	.43926733
58	8.44064456	.44091948	.44119423	.44146881	.44174321	.44201744
59	8.44338600	8.44365919	8.44393221	8.44420507	8.44447774	8.44475027
60	8.44611026	8.44638175	8.44665307	8.44692422	8.44719521	8.44746602
61	8.44881757	.44908729	.44935701	.44962649	.44989579	.45016493
62	8.45150813	.45177628	.45204425	.45231207	.45257971	.45284720
63	8.45418216	.45444866	.45471499	.45498117	.45524718	.45551303
64	8.45683984	8.45710472	8.45736943	8.45763399	8.45789839	8.45816262
65	8.45948139	8.45974466	8.46000778	8.46027074	8.46053354	8.46079618
66	8.46210700	.46236869	.46263022	.46289160	.46315282	.46341388
67	8.46471685	.46497697	.46523694	.46549676	.46575642	.46601593
68	8.46731114	.46756972	.46782814	.46807641	.46834453	.46860250
69	8.46989005	8.47014710	8.47040399	8.47066075	8.47091734	8.43117379
70	8.47245376	8.47270930	8.47296468	8.47321993	8.47347503	8.47372997
71	8.47500245	.47525650	.47551040	.47576415	.47601776	.47627122
72	8.47753630	.47778887	.47804130	.47829359	.47854572	.47879771
73	8.48005548	.48030660	.48055757	.48080839	.48105908	.48130962
74	8.48256016	8.48280983	8.48305936	8.48330874	8.48355800	8.48380711
75	8.48505050	8.48529874	8.48554686	8.48579482	8.45604265	8.48629034
76	8.48752666	.48777351	.48802021	.48826677	.48851320	.48875948
77	8.48998882	.49023427	.39047958	.49072475	.49096979	.49121469
78	8.49243712	.49268119	.49292514	.49316894	.49341261	.49365614
79	8.49487172	8.49511444	8.49535701	8.49359945	8.49584177	8.49608394
80	8.49729278	8.49753415	8.49777538	8.49801648	8.49825745	8.49849828
81	8.49970045	.49994048	.50018038	.50042015	.50065979	.50089930
82	8.50209486	.50233358	.50257216	.50281062	.50304895	.50328714
83	8.50447617	.50471359	.50495087	.50518803	.50542506	.50566196
84	8.50684452	8.50708065	8.50731665	8.57555252	8.50778827	8.50802389
85	8.50920006	8.50943491	8.50966954	8.50990424	8.51013871	8.51037306
86	8.51154291	.51177650	.51200997	.51224331	.51247653	.51270963
87	8.51387322	.51410556	.51433779	.51456988	.51480186	.51503371
88	8.51619112	.51642223	.51665322	.51688408	.51711483	.51734545
89	8.51849673	8.51872662	8.51895639	8.51918604	8.51941557	8.51964498
90	8.52079020	8.52101884	8.52124745	8.52147589	8.52170422	8.52193242
91	8.52307165	.52329913	.52352651	.52375376	.52398089	.52420791
92	8.52534120	.52556751	.52579369	.52601967	.52624562	.52647146
93	8.52759898	.52782412	.52804913	.52827404	.52849882	.52872349
94	8.52984511	8.53006909	8.53028295	8.53051669	8.53074032	8.53096384
95	8.53207971	8.53230254	8.53252525	8.53274785	8.53297034	8.53319272
96	8.53430289	.53452458	.53474617	.53496764	.53518889	.53541024
97	8.53651478	.53673535	.53695581	.53717616	.53739640	.53761652
98	8.53871549	.53893495	.53915429	.53937354	.53959266	.53981168
99	8.54090513	8.54112348	8.54134173	8.54155987	8.54177791	8.54199583
	Co-tangens	9	8	7	6	5

6	7	8	9	Tangens	Diff. 1″. 6.241	2″.	
8.41980237	8.42009079	8.42037901	8.42066704	8.42095488	97660	133	49
.42267794	.42296445	.42325077	.42353691	.42382286	97793	133	48
.42553460	.42581925	.42610370	.42638806	.42667204	97926	134	47
.42837264	.42865553	.42893803	.42922045	.42950269	98061	135	46
8.43119227	8.43147324	8.43175401	.43203461	8.43231503	98196	136	45
8.43399375	8.43427290	8.43455188	8.43483068	8.43510930	98433	137	44
.43677729	.43705467	.43733187	.43760889	.43788574	98470	138	43
.43954313	.43981875	.44009420	.44036947	.44064456	98608	138	42
.44229150	.44256538	.44283909	.44311263	.44338600	98747	139	41
8.44502261	8.44529478	8.44556678	8.44582960	8.44611026	98887	140	40
8.44773667	8.44800715	8.44827746	8.44854759	8.44881757	99027	141	39
.45043391	.45070271	.45097135	.45123983	.45150813	99169	142	38
.45311452	.45338168	.45364867	.45391550	.45418216	99312	143	37
.45577872	.45604424	.45630961	.45657481	.45683984	99455	144	36
8.45842669	8.45869061	8.45895437	8.45921796	8.45948139	99599	145	35
8.46105866	8.46132098	8.46158314	8.46184515	8.46210700	99744	146	34
.46367479	.46393554	.46419613	.46445657	.46471685	99890	146	33
.46627528	.46653447	.46679352	.46705240	.46731114	00037	147	32
.46886032	.46901798	.46937549	.46963284	.46989005	00185	148	31
8.47143009	8.47168623	8.47194222	8.47219806	8.47245376	00334	149	30
8.47398477	8.47423941	8.47449391	8.47474825	8.47500245	01483	150	29
.47652453	.47677769	.47703071	.47728358	.47753630	01634	151	28
.47904956	.47930126	.47955281	.47980422	.48005548	01785	152	27
.48156001	.48181026	.48206037	.48231034	.48256016	01937	153	26
8.48405607	8.48430489	8.48455357	8.48480210	8.48505050	01190	154	25
8.48653688	8.48678529	8.48703256	8.48727968	8.48752666	01244	154	24
.48900563	.48925164	.48949750	.48974323	.48998882	01399	155	23
.49145945	.49170407	.49194856	.49219291	.49243712	01555	156	22
.49389953	.49414278	.49438590	.49462888	.49487172	01711	157	21
8.49632598	8.49656788	8.49680965	8.49705128	8.49729278	01869	158	20
8.49873898	8.49897955	8.49921998	8.49946028	8.49970045	02027	159	19
.50113868	.50137792	.50161703	.50185601	.50209486	02187	160	18
.50352521	.50376315	.50400095	.50423863	.50447617	02347	161	17
.50589893	.50613537	.50637188	.50660827	.50684452	02508	161	16
8.50825937	8.50849474	8.50872997	8.50896508	8.50920006	02670	162	15
8.51060728	8.51084138	8.51107535	8.51130919	8.51154291	02833	163	14
.51294259	.51317543	.51340815	.51364075	.51387322	02996	164	13
.51526544	.51549704	.51572852	.51595988	.51619112	03161	165	12
.51757595	.51780633	.51803659	.51826672	.51849673	03326	166	11
8.51987427	8.52010343	8.52033248	8.52056140	8.52079020	03493	167	10
8.52216051	8.52238847	8.92261632	8.52284404	8.52307165	03660	168	9
.52443480	.52466158	.52488824	.52511478	.52534120	03828	169	8
.52669717	.52692278	.52714826	.52737363	.52759898	03997	169	7
.52894805	.52917248	.52939681	.52962102	.52984511	04167	170	6
8.53118724	8.53141053	8.53163370	8.53185676	8.53207971	04337	171	5
8.53341498	8.53363713	8.53385916	8.53408108	8.53430289	04509	172	4
.53563137	.53585239	.53607328	.53629409	.53651478	04682	173	3
.53783654	.53805644	.53827624	.53849592	.53871549	04855	174	2
.54003059	.54024939	.54046808	.54068665	.54090513	05029	175	1
8.54221364	8.54243134	8.54264874	8.54286643	8.54308381	05204	176	0
4	3	2	1	Co-tangens			M.

M.	Sinus	1	2	3	4	5
0	8.54281916	8.54303617	8.54325306	8.54346985	8.54368653	8.54390310
1	8.54498434	.54520027	.54541608	.54563179	.54584739	.54606289
2	8.54713876	.54735362	.54756837	.54778301	.54799755	.54821198
3	8.54928254	.54949634	.54971003	.54992361	.55013709	.55035047
4	8.55141577	8.55162852	8.55184116	8.55205370	8.55226614	8.55247847
5	8.55353856	8.55375027	8.55396188	8.55417338	8.55438478	8.55459608
6	8.55565102	.55586170	.55607228	.55628275	.55649313	.55670340
7	8.55775323	.55796289	.55817245	.55838191	.55859127	.55880053
8	8.55984531	56005396	.56026251	.56047096	.56067932	.56088757
9	8.56192734	8.56213499	8.56234255	8.56255000	8.56275736	8.56296462
10	8.56399942	8.56420609	8.56441265	8.56461912	8.56482549	8.56503176
11	8.56606165	.56626734	.56647293	.56667842	.56688381	.56708910
12	8.56811413	.56831884	.56852346	.56872798	.56893240	.56913673
13	8.57015693	.57036068	.57056434	.57076790	.57097137	.57117474
14	8.57219016	8.57239296	8.57259566	8.57279827	8.57300079	8.57320321
15	8.57421390	8.57441576	8.57461752	8.57481919	8.57502076	8.57522224
16	8.57622824	.57642916	.57662999	.57683072	.57703137	.57723191
17	8.57823327	.57843326	.57863317	.57883297	.57903269	.57923232
18	8.58022907	.58042815	.58062713	.58082602	.58102483	.58122354
19	8.58221572	8.58241389	8.58261197	8.58280995	8.58300785	8.58320566
20	8.58419333	8.58439059	8.58458777	8.58478485	8.58498185	8.58517875
21	8.58616195	.58635832	.58655460	.58675079	.58694690	.58714292
22	8.58812167	.58831716	.58851255	.58870786	.58890309	.58909822
23	8.59007258	.59026719	.59046171	.59065614	.59085049	.59104475
24	8.59201475	8.59220849	8.59240214	8.59259571	8.59278919	8.59298258
25	8.59394826	8.59414113	8.59433393	8.59452663	8.59471925	8.59491179
26	8.59587318	.59606521	.59625715	.59644900	.59664077	.59683245
27	8.59778960	.59798078	.59817187	.59836288	.59855380	.59874465
28	8.59969759	.59988793	.60007818	.60026835	.60045844	.60064844
29	8.60159722	8.60178672	8.60197615	8.60216549	8.60235474	8.60254392
30	8.60348856	8.60367724	8.60386584	8.60405436	8.60424279	8.60443114
31	8.60537169	.60555955	.60574733	.60593503	.60612265	.60631019
32	8.60724667	.60743372	.60762069	.60780759	.60799439	.60818113
33	8.60911358	.60929983	.60948600	.60967209	.60985810	.61004403
34	8.61097249	8.61115794	8.61134331	8.61152860	8.61171382	8.61189895
35	8.61282346	8.61300812	8.61319270	8.61337721	8.61356164	8.61374599
36	8.61466656	.61485044	.61503424	.61521797	.61540161	.61558518
37	8.61650186	.61668496	.61686799	.61705094	.61723381	.61741660
38	8.61832942	.61851176	.61869401	.61887619	.61905830	.61924032
39	8.62014932	8.62033088	8.62051238	8.62069380	8.62087514	8.62105640
40	8.62196160	8.62214241	8.62232315	8.62250381	8.62268440	8.62286491
41	8.62376634	.62394640	.62412639	.62430630	.62448614	.62466590
42	8.62556360	.62574291	.62592216	.62610133	.62628042	.62645944
43	8.62735344	.62753201	.62771052	.62788895	.62806731	.62824559
44	8.62913592	8.62931376	8.62949153	8.62966923	8.62984686	8.63002441
45	8.63091110	8.63108821	8.63126526	8.63144223	8.63161914	8.63179597
46	8.63267903	.63285543	.63303176	.63320801	.63338420	.63356031
47	8.63443979	.63461548	.63479109	.63496663	.63514210	.63531750
48	8.63619343	.63636840	.63654331	.63671814	.63689290	.63706759
49	8.63794000	8.63811427	8.63828847	8.63846260	8.63863666	8.63881065
	Co-sinus	9	8	7	6	5

6	7	8	9	Sinus	Diff. 1a. / 6.241	2a.	
8.54411957	8.54433592	8.54455217	8.54476831	8.54498434	78916	88	99
.54627828	.54649356	.54670874	.54692380	.54713876	78828	88	98
.54842630	.54864052	.54885463	.54906864	.54928254	78739	89	97
.55056374	.55077690	.55098997	.55120292	.55141577	78650	89	96
8.55269069	8.55290282	8.55311484	8.55332675	8.55353856	78560	90	95
8.55480727	8.55501836	8.55522935	8.55544023	8.55565102	78470	90	94
.55691357	.55712364	.55733360	.55754347	.55775323	78379	91	93
.55900969	.55921874	.55942770	.55963655	.55984531	78288	91	92
.56109572	.56130378	.56151173	.56171958	.56192734	78197	92	91
8.56317178	8.56337884	8.56358580	8.56379266	8.56399942	78105	92	90
8.56523794	8.56544401	8.56564999	8.56585587	8.56606165	78012	92	89
.56729430	.56749941	.56770441	.56790932	.56811413	77919	93	88
.56934097	.56954510	.56974914	.56995309	.57015693	77826	93	87
.57137801	.57158119	.57178428	.57198727	.57219016	77732	94	86
8.57340544	8.57360777	8.57380991	8.57401195	8.57421390	77638	94	85
8.57542363	8.57562492	8.57582612	8.57602723	8.57622824	77544	95	84
.57743237	.57763273	.57783301	.57803318	.57823327	77449	95	83
.57943185	.57963130	.57983065	.58002990	.58022907	77353	96	82
.58142216	.58162069	.58181912	.58201747	.58221572	77257	96	81
8.58340337	8.58360099	8.58379853	8.58399597	8.58419333	77161	97	80
8.58537557	8.58557230	8.58576894	8.58596549	8.58616195	76064	97	79
.58733884	.58753468	.58773043	.58792610	.58812167	76967	98	78
.58929327	.58948823	.58968310	.58987788	.59007258	76869	98	77
.59123892	.59143301	.59162701	.59182292	.59201475	76771	99	76
8.59317589	8.59336911	8.59356224	8.59375529	8.59394826	76672	99	75
8.59519424	8.59529660	8.59548888	8.59568108	8.59587318	76573	99	74
.59702405	.59721557	.59740700	.59759834	.59778960	76474	100	73
.59893540	.59912607	.59931666	.59950717	.59969759	76374	100	72
.60083836	.60102820	.60121796	.60140763	.60159722	76274	100	71
8.60273301	8.60292202	8.60311095	8.60329980	8.60348856	76173	101	70
8.60461942	8.60480761	8.60499571	8.60518374	8.60537169	76072	101	69
.60649765	.60668503	.60687232	.60705954	.60724667	75970	102	68
.60836778	.60855435	.60874084	.60892725	.60911358	75868	102	67
.61022988	.61041565	.61060134	.61078696	.61097249	75765	102	66
8.61208401	8.61226899	8.61245389	8.61263871	8.61282346	75663	103	65
8.61393026	8.61411445	8.61429857	8.61448260	8.61466656	75559	103	64
.61576867	.61595209	.61613542	.61631868	.61650186	75455	104	63
.61759932	.61778196	.61796453	.61814701	.61832942	75351	104	62
.61942228	.61960415	.61978595	.61996767	.62014932	75246	105	61
8.62123760	8.62141871	8.62159975	8.62178071	8.62196160	75141	105	60
8.62304535	8.62322571	8.62340599	8.62358620	8.62376634	75035	106	59
.62484559	.62502520	.62520474	.62538421	.62556360	74929	106	58
.62663839	.62681726	.62699606	.62717479	.62735344	74823	106	57
.62842380	.62860194	.62878000	.62895800	.62913592	74716	107	56
8.63020190	8.63037930	8.63055664	8.63073390	8.63091110	74608	107	55
8.63197272	8.63214941	8.63232602	8.63250257	8.63267904	74501	108	54
.63373635	.63391232	.63408821	.63426404	.63443979	74392	108	53
.63549283	.63566808	.63584327	.63601839	.63619343	74284	109	52
.63724222	.63741677	.63759125	.63776566	.63794000	74175	109	51
8.63898457	8.63915843	8.63933221	8.63950592	8.63967956	74065	110	50
4	3	2	1	Co-sinus			M.

M.	Tangens	1	2	3	4	5
0	8.54308381	8.54330107	8.54351824	8.54373529	8.54395223	8.54416907
1	8.54525164	.54546782	.54568391	.54589988	.54611575	.54633151
2	8.54740873	.54762385	.54783886	.54805377	.54826857	.54848327
3	8.54955518	.54976925	.54998322	.55019708	.55041084	.55062450
4	8.55169111	8.55190413	8.55211705	8.55232986	8.55254257	8.55275518
5	8.55381660	8.55402859	8.55424045	8.55445224	8.55466391	8.55487547
6	8.55593178	.55614273	.55635358	.55656433	.55677497	.55698552
7	8.55803673	.55824666	.55845649	.55866623	.55887586	.55908539
8	8.56013155	56034047	.56054930	.56075803	.56096666	.56117519
9	8.56221634	85.6242427	8.56263210	8.56283983	8.56304747	8.56325500
10	8.56429119	8.56449814	8.56470498	8.56491173	8.56511838	8.56532493
11	8.56635621	.56656218	.56676804	.56697381	.56717948	.56738506
12	8.56841148	.56861648	.56882137	.56902617	.56923088	.56943548
13	8.57045710	.57066113	.57086507	.57106891	.57127266	.57147631
14	8.57249316	8.57269624	8.57289923	8.57310212	8.57330492	8.57350762
15	8.57451974	8.57472188	8.57492392	8.57512588	8.57532774	8.57552950
16	8.57653693	.57673814	.57693925	.57714027	.57734120	.57754203
17	8.57854482	.57874511	.57894529	.57914539	.57934540	.57954531
18	8.58054350	.58074286	.58094214	.58114132	.58134041	.58153941
19	8.58253305	8.58273151	8.58292987	8.58312815	8.58332633	8.58352443
20	8.58451356	8.58471111	8.58490858	8.58510596	8.58530324	8.58550044
21	8.58648509	.58668176	.58687833	.58707482	.58727122	.58746753
22	8.58844775	.58864353	.58883922	.58903483	.58923034	.58942577
23	8.59040160	.59059651	.59079132	.59098605	.59118070	.59137525
24	8.59234673	8.59254077	8.59273472	8.59292858	8.59312236	8.59331605
25	8.59428321	8.59447639	8.59466948	8.59486248	8.59505540	8.59524823
26	8.59621112	.59640345	.59659568	.59678784	.59697990	.59717189
27	8.59813054	.59832202	.59851341	.59870472	.59889595	.59908709
28	8.60004154	.60023218	.60042273	.60061321	.60080360	.60099390
29	8.60194419	8.60213400	8.60232373	8.60251337	8.60270293	8.60289241
30	8.60383857	8.60402755	8.60421646	8.60440528	8.60459402	8.60478268
31	8.60572475	.60591291	.60610100	.60628901	.60647693	.60666478
32	8.60760279	.60779017	.60797746	.60816467	.60835176	.60853879
33	8.60947278	.60965934	.60984582	.61003222	.61021854	.61040478
34	8.61133478	8.61152054	8.61170623	8.61189183	8.61207736	8.61226281
35	8.61318886	8.61337383	8.61355873	8.61374354	8.61392828	8.61411296
36	8.61503508	.61521927	.61540338	.61558742	.61577138	.61595524
37	8.61687351	.61705691	.61724026	.61742353	.61760671	.61778982
38	8.61870421	.61888686	.61906943	.61925193	.61943435	.61961669
39	8.62052726	8.62070915	8.62089096	8.62107269	8.62125435	8.62143594
40	8.62234272	8.62252385	8.62270490	8.62288588	8.62306679	8.62324762
41	8.62415064	.62433102	.62451133	.62469156	.62487172	.62505180
42	8.62595110	.62613073	.62631030	.62648978	.62666920	.62684854
43	8.62774414	.62792304	.62810187	.62828062	.62845930	.62863791
44	8.62952985	8.62970801	8.62988611	8.63006413	8.63024208	8.63041996
45	8.63130826	8.63148571	8.63166308	8.63184037	8.63201760	8.63219475
46	8.63307945	.63325618	.63343283	.63360941	.63378592	.63396235
47	8.63484347	.63501948	.63519542	.63537129	.63554709	.63572281
48	8.63660039	.63677569	.63695092	.63712608	.63730117	.63747619
49	8.63835025	8.63850485	8.63869938	8.63887384	8.63904823	8.63922255
	Co-tangens	9	8	7	6	5

6	7	8	9	Tangens	Diff. 1″. 6.242	2″.	
8.54438580	8.54460242	8.54481893	8.54503534	8.54525164	05381	176	99
·54654717	·54676271	·54697815	·54719349	·54740873	05557	177	98
·54869786	·54891235	·54912673	·54934100	·54955518	05735	178	97
·55083804	·55105149	·55126483	·55147806	·55169111	05914	189	96
8.55296769	8.55318009	8.55339239	8.55360459	8.55381660	06094	180	95
8.55508696	8.55529833	8.55550959	8.55572075	8.55593178	06274	181	94
·55719596	·55740631	·55761655	·55782669	·55803673	06455	183	93
·55929483	·55950416	·55971339	·55992252	·56013155	06638	183	92
·56138362	·56159195	·56180018	·56200831	·56221634	06821	184	91
8.56346244	8.56366978	8.56387702	8.56408416	8.56429119	07005	185	90
8.56553138	8.56573774	8.56594399	8.56615015	8.56635621	07190	185	89
·56769054	·56789592	·56810120	·56830639	·56841148	07375	186	88
·56963999	·56984450	·57004882	·57025304	·57045710	07562	187	87
·57167986	·57188332	·57208668	·57228995	·57249316	07750	188	86
8.57371023	8.57391274	8.57411515	8.57431747	8.57451974	07938	189	85
8.57573117	8.57593275	8.57613424	8.57633563	8.57653693	08127	190	84
·57774278	·57794342	·57814399	·57834445	·57854482	08317	191	83
·57974513	·57994486	·58014450	·58034404	·58054350	08509	192	82
·58173832	·58193714	·58213586	·58233459	·58253305	08701	192	81
8.58372243	8.58392035	8.58411817	8.58431591	8.58451356	08893	193	80
8.58569755	8.58589457	8.58609150	8.58628834	8.58648509	09087	194	79
·58766375	·58785988	·58805593	·58825188	·58844775	09282	195	78
·58962111	·58981637	·59001153	·59020661	·59040160	09477	196	77
·59156972	·59176410	·59195840	·59215261	·59234673	09673	197	76
8.59350965	8.59370317	8.59389660	8.59408995	8.59428321	09871	198	75
8.59544098	8.59563365	8.59582622	8.59601871	8.59621112	10069	199	74
·59736379	·59755560	·59774733	·59793898	·59813054	10268	199	73
·59927814	·59946912	·59966001	·59985081	·60004154	10468	100	72
·60118413	·60137427	·60156432	·60175430	·60194419	10669	201	71
8.60308181	8.60327112	8.60346035	8.60364950	8.60383857	10870	202	70
8.60497225	8.60515975	8.60534816	8.60553649	8.60572475	11073	203	69
·60685254	·60704022	·60722782	·60741534	·60760279	11276	204	68
·60872545	·60891263	·60909943	·60928615	·60947278	11481	205	67
·61059094	·61077702	·61096302	·61114894	·61133478	11686	206	66
8.61244818	8.61263347	8.61281868	8.61300382	8.61318886	11892	207	65
8.61429753	8.61448203	8.61466646	8.61485081	8.61503508	12099	207	64
·61613907	·61632279	·61650644	·61690001	·61687351	12307	208	63
·60797285	·61815581	·61833869	·61852149	·61870421	12516	209	62
·61979896	·61998115	·62016326	·62034530	·62052726	12725	210	61
8.62161744	8.62179888	8.62198023	8.62216151	8.62234272	12936	211	60
8.62342837	8.62360905	8.62378966	8.62397019	8.62415064	13147	212	59
·62523181	·62541174	·62559160	·62577139	·62595110	13359	213	58
·62702781	·62720700	·62738612	·62756516	·62774414	13573	214	57
·62881644	·62899490	·62917328	·62935160	·62952985	13787	115	56
8.63059776	8.63077549	8.63095315	8.63113074	8.63130826	14002	216	55
8.63237184	8.63254885	8.63272578	8.63290265	8.63307945	14217	217	54
·63413872	·63431501	·63449123	·63466739	·63484347	14434	218	53
·63589847	·63607405	·63624956	·63642501	·63660039	14652	219	52
·63765114	·63782602	·63800083	·63817557	·63835025	14870	220	51
8.63939680	8.63957098	8.63974509	8.63991913	8.64009311	15089	221	50
4		2	1	Co-tangens			M.

M.	Sinus	1	2	3	4	5
50	8.63967956	8.63985313	8.64002664	8.64020007	8.64037344	8.64054673
51	8.64141217	.64158505	.64177586	.64193060	.64210328	.64227588
52	8.64313788	.64331007	.64348220	.64365426	.64382624	.64399817
53	8.64485675	.64502826	.64519970	.64537108	.64554239	.64571363
54	8.64656882	8.64673966	8.64691043	8.64708113	8.64725177	8.64742233
55	8.64827417	8.64844433	8.64861443	8.64878446	8.64895443	8.64912433
56	8.64997282	.65014232	.65031176	.65048112	.65065043	.65081966
57	8.65166485	.65183369	.65200246	.65217117	.65233982	.65250839
58	8.65335030	.65351848	.65368660	.65385466	.65402264	.65419057
59	8.65502922	8.65519675	8.65536422	8.65553162	8.65569897	8.65586624
60	8.65670165	8.65686854	8.65703537	8.65720213	8.65736883	8.65753546
61	8.65836766	.65853391	.65870010	.65886622	.65903228	.65919827
62	8.66002730	.66019291	.66035846	.66052395	.66068937	.66085473
63	8.66168060	.66184558	.66201050	.66217536	.66234015	.66250489
64	8.66332761	8.66349197	8.66365626	8.66382050	8.66398467	8.66414878
65	8.66493839	8.66513213	8.66529580	8.66545942	8.66562297	8.66578646
66	8.66660298	.66676610	.66692916	.66709216	.66725510	.66741797
67	8.66823143	.66839394	.66855639	.66871878	.66888110	.66904337
68	8.66985379	.67001569	.67017753	.67033931	.67050103	.67066269
69	8.67147009	8.67163139	8.67179262	8.67195380	8.67211492	8.67227598
70	8.67308038	8.67324108	8.67340172	8.67356231	8.67372283	8.67388329
71	8.67468472	.67484482	.67500487	.67516486	.67532479	.67548466
72	8.67628313	.67644265	.67660211	.67676151	.67692085	.67708013
73	8.67787567	.67803461	.67819348	.67835230	.67851105	.67866975
74	8.67946238	8.67962073	8.67977903	8.67993726	8.68009544	8.68025356
75	8.68104330	8.68120103	8.68135880	8.68151646	8.68167406	8.68183161
76	8.68261848	.68277568	.68293282	.68308991	.68324695	.68340392
77	8.68418794	.68434458	.68450116	.68465768	.68481414	.68497055
78	8.68575175	.68599782	.68606383	.68621979	.68637569	.68653154
79	8.68730993	8.68746544	8.68762089	8.68777629	8.68793163	8.68808692
80	8.68886252	8.68901748	8.68917237	8.68932722	8.68948200	8.68963674
81	8.69040957	.69056397	.69071832	.69087261	.69102685	.69118103
82	8.69195112	.69210497	.69225877	.69241252	.69256621	.69271984
83	8.69348720	.69364051	.69379376	.69394697	.69410011	.69425320
84	8.69501786	8.69517062	8.69532334	8.69547600	8.69562861	8.69578116
85	8.69654312	8.69669535	8.69684753	8.69699965	8.69715173	8.69730374
86	8.69806303	.69821473	.69836638	.69851797	.69866951	.69882100
87	8.69957763	.69972880	.69987992	.70003098	.70018199	.70033295
88	8.70108696	.70123760	.70138819	.70153873	.70168922	.70183965
89	8.70259104	8.70274116	8.70289123	8.70304125	8.70319121	8.70334113
90	8.70408992	8.70423952	8.70438907	8.70453857	8.70468802	8.70483742
91	8.70558363	.70573272	.70588175	.70603074	.70617967	.70632856
92	8.70707220	.70722078	.70736931	.70751778	.70766621	.70781458
93	8.70855568	.70870375	.70885177	.70899974	.70914766	.70929552
94	8.71003410	8.71018166	8.71032918	8.71047664	8.71062406	8.71077142
95	8.71150749	8.71165455	8.71180156	8.71194853	8.71209544	8.71224230
96	8.71297588	.71312244	.71326896	.71341543	.71356184	.71370821
97	8.71443931	.71458538	.71473140	.71487738	.71502329	.71516917
98	8.71589781	7.1604339	.71618932	.71633441	.71647984	.71662522
99	8.71735142	8.71749651	8.71764156	8.71778655	8.71793150	8.71807640
	Co-sinus	9	8	7	6	5

6	7	8	9	Sinus	Diff. 1æ. 6.241	2æ.	
8.64071996	8.64089311	8.64106620	8.64123922	8.64141217	73955	110	49
.64244842	.64262089	.64279322	.64296562	.64313788	73844	110	48
.64417002	.64434180	.64451352	.64468517	.64485675	73733	111	47
.64588480	.64605591	.64622695	.64639792	.64656882	73622	111	46
8.64759283	8.64776327	8.64793363	8.64810393	8.64827417	73510	112	45
8.64929416	8.64946393	8.64963362	8.64980326	8.64997282	73398	112	44
.65098883	.65115794	.65132697	.65149594	.65166485	73285	112	43
.65267690	.65284535	.65301373	.65318205	.65335030	73172	113	42
.65435843	.65452622	.65469395	.69486162	.65502922	73059	113	41
8.65603345	8.65620060	8.65636768	8.65653470	8.65670165	72945	114	40
8.65770203	8.65786853	8.65803498	8.65820135	8.65836766	72830	114	39
.65936421	.65953007	.65969588	.65986162	.66002730	72715	114	38
.66102003	.66118527	.66135044	.66151555	.66168060	72600	115	37
.66266956	.66283416	.66299871	.66316319	.66332761	72484	115	36
8.66431282	8.66447681	8.66464073	8.66480459	8.66496839	72368	116	35
8.66594989	8.66611325	8.66627657	8.66643980	8.66660298	72251	116	34
.66758079	.66774354	.66790623	.66806886	.66823143	72134	117	33
.66920557	.66936772	.66952980	.66969182	.66985379	72017	117	32
.67082429	.67098583	.67114731	.67130873	.67147009	71899	118	31
8.67243698	8.67259792	8.67275880	8.67291962	8.67308038	71780	118	30
8.67404370	8.67420404	8.67436432	8.67452455	8.67468472	71661	118	29
.67564447	.67580423	.67596392	.67612356	.67628313	71542	119	28
.67723936	.67739853	.67755763	.67771668	.67787567	71422	119	27
.67882840	.67898698	.67914551	.67930397	.67946238	71302	120	26
8.68041163	8.68056963	8.68072758	8.68088547	8.68104330	71182	120	25
8.68198909	8.68214653	8.68230390	8.68246122	8.68261848	71061	121	24
.68356084	.68371770	.68387451	.68403125	.68418794	70939	121	23
.68512690	.68528320	.68543944	.68559562	.68575175	70817	121	22
.68668733	.68684306	.68699874	.68715436	.68730993	70695	122	21
8.68824215	8.68839733	8.68855245	8.68870751	8.68886252	70572	122	20
8.68979142	8.68994604	8.69010060	8.69025512	8.69040957	70449	123	19
.69133516	.69148923	.69164325	.69179721	.69195112	70325	123	18
.69287342	.69302695	.69318042	.69333384	.69348720	70201	124	17
.69440624	.69455923	.69471216	.69486503	.69501786	70076	124	16
8.69593366	8.69608610	8.69623850	8.59639084	8.69654312	69951	125	15
8.69745571	8.69760762	8.69775948	8.69791128	8.69806303	69836	125	14
.69897243	.69912381	.69927514	.69942641	.69957763	69700	125	13
.70048386	.70063471	.70078551	.70093626	.70108696	69573	126	12
.70199003	.70214036	.70229064	.70244087	.70259104	69447	126	11
8.70349099	8.70364080	8.70379056	8.70394026	8.70408992	69319	127	10
8.70498676	8.70513695	8.70528530	8.70543449	8.70558363	69192	128	9
.70647739	.70662617	.70677490	.70692358	.70707220	69063	128	8
.70796290	.70811117	.70825939	.70840756	.70855568	68935	129	7
.70944334	.70959110	.70973881	.70988648	.71003410	68806	129	6
8.71091873	8.71106600	8.71121321	8.71136037	8.71150749	68676	130	5
8.71238912	8.71253588	8.71268260	8.71282926	8.71297588	68546	130	4
.71385453	.71400080	.71414702	.71429319	.71443931	68416	130	3
.71531500	.71546078	.71560650	.71575218	.71589781	68285	131	2
.71677056	.71691585	.71706109	.71720628	.71735142	68154	131	1
8.71822125	8.71836605	8.71851080	8.71865551	8.71880016	68023	132	0
4		2	1	Co-sinus			M.

M.	*Tangens*	1	2	3	4	5
50	8.64009311	8.64026701	8.64044085	8.64061461	8.64078831	8.64096193
51	8.64182903	.64200225	.64217539	.64234847	.64252147	.64269441
52	8.64355807	.64373060	.64390306	.64407545	.64424777	.64442003
53	8.64528028	.64545213	.64562391	.64579562	.64596726	.64613884
54	8.64699572	8.64716689	8.64733799	8.64750903	8.64768000	8.64785091
55	8.64870443	8.64887493	8.64904537	8.64921574	8.64938604	8.64955627
56	8.65040647	.65057631	.66074607	.65091579	.65108543	.65125500
57	8.65210189	.65227107	.66244018	.65260923	.65277821	.65294713
58	8.65379075	.65395927	.66412774	.65429613	.65446447	.65463273
59	8.65547309	8.65564096	8.66580878	8.65597652	8.65614421	8.65631182
60	8.65714895	8.65731619	8.65748336	8.65765047	8.65781751	8.65798449
61	8.65881842	.65898501	.65905155	.65921801	.65938442	.65955076
62	8.66078151	.66064746	.66081336	.66097919	.66114496	.66131067
63	8.66213827	.66230360	.66246887	.66263407	.66279922	.66296430
64	8.66378879	8.66395350	8.66411814	8.66428273	8.66444725	8.66461170
65	8.66543307	8.66559716	8.66576119	8.66592515	8.66608905	8.66625289
66	8.66707118	.66723465	.66739806	.66756141	.66772470	.66788793
67	8.66870316	.66886602	.66902882	.66919156	.66935424	.66951686
68	8.67032905	.67049131	.67065350	.67081564	.67097771	.67113973
69	8.67194891	8.67211056	8.67227216	8.67243369	8.67259517	8.67275658
70	8.67356277	8.67372383	8.68388483	8.67404577	8.67420665	8.67436747
71	8.67517069	.67533115	.68549156	.67565191	.67581219	.67597242
72	8.67677270	.67693257	.68709239	.67725215	.67741186	.67757150
73	8.67836885	.67852814	.68868738	.67884655	.67900567	.67916473
74	8.67995918	8.68011789	8.68027655	8.68043514	8.68059369	8.68075217
75	8.68154373	8.68170187	8.68185995	8.68201798	8.68217594	8.68233385
76	8.68312255	.68328012	.68343763	.68359508	.68375248	.68390982
77	8.68469568	.68485268	.68500963	.68516651	.68532334	.68548012
78	8.68626316	.68641959	.68657598	.68673230	.68688857	.68704478
79	8.68782502	8.68798090	8.68813672	8.68829249	8.68844820	8.68860386
80	8.68938132	8.68953664	8.68969191	8.68984712	8.69000228	8.69015738
81	8.69093208	.69108686	.69124158	.69139624	.69155085	.69170541
82	8.69247736	.69263159	.69278576	.69293988	.69309394	.69324795
83	8.69401718	.69417086	.69432449	.69447807	.69463159	.69478506
84	8.69555159	8.69570473	8.69585782	8.69601087	8.69616385	8.69631678
85	8.69708062	8.69723323	8.69738579	8.69753829	8.69769074	8.69784313
86	8.69860431	.69875639	.69890842	.69906039	.69921231	.69936417
87	8.70012271	.70027426	.70042575	.70057720	.70072859	.70087993
88	8.70163584	.70178686	.70193783	.70208876	.70223962	.70239044
89	8.70314374	8.70329424	8.70344470	8.70359510	8.70374545	8.70389574
90	8.70464645	8.70479644	8.70494637	8.70509626	8.70524609	8.70539587
91	8.70614401	.70629348	.70644290	.70659227	.70674159	.70689086
92	8.70763644	.70778541	.70793432	.70808318	.70823199	.70838075
93	8.70912380	.70927225	.70942066	.70956902	.70971732	.70986558
94	8.71060610	8.71075405	8.71090195	8.71104981	8.71119761	8.71134537
95	8.71208338	8.71223084	8.71237824	8.71252560	8.71267290	8.71282016
96	8.71355569	.71370265	.71384955	.71399641	.71414322	.71428998
97	8.71502304	.71516951	.71531593	.71546229	.71560861	.71575488
98	8.71648549	.71663146	.71677739	.71692327	.71706910	.71721488
99	8.71794305	8.71808853	8.71823398	8.71837937	8.71852471	8.71867001
	Co-tangens	9	8	7	6	5

6	7	8	9	*Tangens*	Diff. 1ª. 6.242	2ª.	
8.64113549	8.64130898	8.64148239	8.64165575	8.64182903	15310	221	49
.64286728	.64304008	.64321281	.64338547	.64355807	15531	222	48
.64459221	.64476433	.64493638	.64510836	.64528028	15753	223	47
.64631035	.64648179	.64665316	.64682447	.64699572	15976	223	46
8.64802174	8.64819251	8.64836321	8.64853385	8.64870443	16200	224	45
8.64972644	8.64989655	8.65006658	8.65023655	8.65040647	16424	225	44
.95142451	.65159395	.65176333	.65193264	.65210189	16650	229	43
.65311598	.65328477	.65345349	.65362215	.65379075	16876	237	42
.65480094	.65496907	.65513715	.65530515	.65547309	17103	228	41
8.65647938	8.65664687	8.65681429	8.65698166	8.65714896	17332	229	40
8.65815140	8.65831825	8.65848503	8.65865175	8.65881842	17561	229	39
.65971703	.65988325	.66004939	.66021548	.66048151	17791	230	38
.66147632	.66164190	.66180742	.66197287	.66213827	18022	230	37
.66312931	.66329427	.66345916	.66362399	.66378879	18253	231	36
8.66477610	8.66494043	8.66510471	8.66526892	8.66543307	18486	232	35
8.66641667	8.56658039	8.66674404	8.66690764	8.66707118	18720	234	34
.66805110	.56821420	.66837724	.66854023	.66870316	18954	235	33
.66967942	.66984191	.67000435	.67016673	.67032905	19189	236	32
.67130168	.67146358	.67162541	.67178719	.67194891	19425	237	31
8.67291794	8.67307923	8.67324047	8.67340165	8.67356277	19662	238	30
8.67452823	8.67468893	8.67484957	8.67501015	8.67517069	19900	238	29
.67613259	.67629271	.67645276	.67661275	.67677270	20139	239	28
.67773108	.67789061	.67805008	.67820949	.67836885	20379	240	27
.67932374	.67948268	.67964157	.67980040	.67995918	20619	241	26
8.68091059	8.68106896	8.68122727	8.68138553	8.68154373	20861	241	25
8.68249170	8.68264950	8.68280724	8.68296492	8.68312255	21103	242	24
.68406710	.68422433	.68438150	.68453861	.68469568	21346	243	23
.68563684	.68579350	.68595011	.68610665	.68626316	21591	244	22
.68720094	.68735704	.68751308	.68766907	.68782502	21836	245	21
8.68875946	8.68891500	8.68907049	8.68922592	8.68938132	22082	245	20
8.69031242	8.69046742	8.69062236	8.69077724	8.69093208	22328	246	19
.69185991	.69201435	.69216874	.69232308	.69247736	22576	247	18
.69340190	.69355581	.69370965	.69386344	.69401718	22825	248	17
.69493847	.69509183	.69524514	.69539839	.69555159	23074	249	16
8.69646966	8.69662248	8.69677525	8.69692797	8.69708062	23324	250	15
8.69799548	8.69814776	8.69830000	8.69845218	8.69860431	23575	252	14
.69951598	.69966774	.69981945	.69997111	.70012271	23828	253	13
.70103121	.70118245	.70133363	.70148476	.70163584	24081	253	12
.70254120	.70269192	.70284258	.70299318	.70314374	24334	254	11
8.70404599	8.70419618	8.70434632	8.70449641	8.70464645	24589	255	10
8.70554560	8.70569528	8.70584491	8.70599448	8.70614401	24845	256	9
.70704008	.70718925	.70733836	.70748743	.70763644	25101	257	8
.70852946	.70867812	.70882673	.70897529	.70912380	25359	258	7
.71001378	.71016194	.71031004	.71045809	.71060610	25617	359	6
8.71149307	8.71164072	8.71178833	8.71193588	8.71208338	25876	260	5
8.71296736	8.71311452	8.71326162	8.71340868	8.71355569	26136	260	4
.71443669	.71458336	.71472997	.71497653	.71502304	26397	261	3
.71590110	.71604727	.71619339	.71633946	.71648549	26659	262	2
.71736061	.71750629	.71765192	.71779751	.71794305	26922	263	1
8.71881525	8.71896045	8.71910560	8.71925070	8.71939576	27185	264	0
4		2	1	*Co-tangens*			M.

M.	S.	N.	*Logar.*	M.	S.	N.	*Logar.*
0.	36	1	0.00000	30.	36	51	1.70757
1.	12	2	0.30103	31.	12	52	1.71600
1.	48	3	0.47712	31.	48	53	1.72427
2.	24	4	0.60206	32.	24	54	1.73239
3.	0	5	0.69897	33.	0	55	1.74036
3.	36	6	0.77815	33.	36	56	1.74818
4.	12	7	0.84509	34.	12	57	1.75587
4.	48	8	0.90309	34.	48	58	1.76342
5.	24	9	0.95424	35.	24	59	1.77085
6.	0	10	1.00000	36.	0	60	1.77815
6.	36	11	1.04139	36.	36	61	1.78533
7.	12	12	1.07918	37.	12	62	1.79239
7.	48	13	1.11394	37.	48	63	1.79934
8.	24	14	1.14612	38.	24	64	1.80618
9.	0	15	1.17609	39.	0	65	1 81291
9.	36	16	1.20412	39.	36	66	1.81954
10.	12	17	1.23044	40.	12	67	1.82607
10.	48	18	1.25527	40.	48	68	1.83250
11.	24	19	1.27875	41.	24	69	1.83884
12.	0	20	1.30103	42.	0	70	1.84509
12.	36	21	1.32221	42.	36	71	1.85125
13.	12	22	1.34242	43.	12	72	1.85733
13.	48	23	1.36172	43.	48	73	1.86332
14.	24	24	1.38021	44.	24	74	1.86923
15.	0	25	1.39794	45.	0	75	1.87506
15.	36	26	1.41497	45.	36	76	1.88081
16.	12	27	1.43136	46.	12	77	1.88649
16.	48	28	1.44715	46.	48	78	1.89209
17.	24	29	1.46239	47.	24	79	1.89762
18.	0	30	1.47712	48.	0	80	1.90308
18.	36	31	1.49136	48.	36	81	1.90848
19.	12	32	1.50515	49.	12	82	1.91381
19.	48	33	1.51851	49.	48	83	1.91907
20.	24	34	1.53147	50.	24	84	1.92427
21.	0	35	1.54406	51.	0	85	1.92941
21.	36	36	1.55630	51.	36	86	1.93449
22.	12	37	1.56820	52.	12	87	1.93951
22.	48	38	1.57978	52.	48	88	1.94448
23.	24	39	1.59106	53.	24	89	1.94939
24.	0	40	1.60206	54.	0	90	1.95424
24.	36	41	1.61278	54.	36	91	1.95904
25.	12	42	1.62324	55.	12	92	1.96378
25.	48	43	1.63346	55.	48	93	1.96848
26.	24	44	1.64345	56.	24	94	1.97312
27.	0	45	1.65321	57.	0	95	1.97772
27.	36	46	1.66275	57.	36	96	1.98227
28.	12	47	1.67209	58.	12	97	1.98677
28.	48	48	1.68124	58.	48	98	1.99122
29.	24	49	1.69019	59.	24	99	1.99563
30.	0	50	1.69897	60.	0	100	2.00000

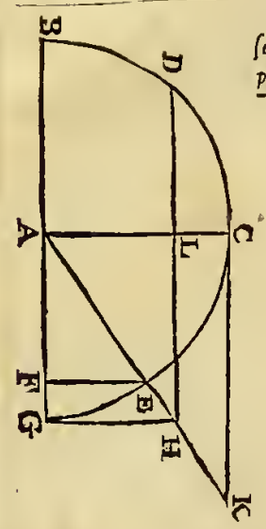
That this our Canon might be as exact as is possible, it hath with all diligence been compared with the Original since it was printed, and these Errata's *being mended it will be found the most true and perfect of any Canon extant.*

Nu.	*Logar.*	*Nu.*	*Logar.*	*Nu.*	*Logar.*
10123	.30923	28516	.08861	49880	.92644
10181	.79043	28674	.48828	50362	.10297
10859	.78983	28951	.66357	51176	.06634
10870	036.	29574	.91007	51770	714.07817
12330	090.	29994	.03438	53090	725.
12340	091.	30070	478.	53948	.97535
13650	135.	30301	.45696	55338	.02340
13900	143.	30536	.81215	55585	.95761
16151	.1994	30671	.72794	57150	757.01623
16910	228.14361	30698	.11008	58501	.16329
17509	.26139	30983	.12347	59980	778.00646
17750	249.	31324	.87722	60400	.03694
17773	.76074	31371	.52836	62114	.18949
19009	.95927	31795	.35883	63978	.03066
19107	.19250	32501	.89672	64310	.27851
19113	.32886	34547	.31034	64913	.33168
19195	.18212	34991	.95635	66987	.99053
21090	334.	35124	.60397	66989	.00349
22000	342.	35508	.32621	68766	.37376
22030	343.	35740	.15455	69990	845.03599
22754	.05775	36488	.15005	70526	.34925
22960	360.	36560	.00618	72851	.43552
22970	361.	38926	.01658	72883	.62624
23485	.79056	38780	.60780	72911	.79305
24007	.33789	39235	.67366	73305	.15359
24008	.35598	39844	.36293	74480	872.
24720	393.	39845	.37383	78003	.11131
24849	.30892	41020	612.	78485	.78666
24932	.75712	41030	613.	79990	903.03570
25651	.10430	42251	.83699	80212	.23935
25734	.507.9	43160	636.08652	80360	905.03993
27119	.27367	44487	.23312	81480	911.05102
27350	436.	44542	.76971	82990	919.02576
27360	437.	44616	.49063	84530	927.01087
27710	.63653	44656	.87982	89711	.84570
27930	446.	46554	.95700	90160	955
28050	447.	47320	675.04474	90340	*dele* 955.
28060	448.	47980	681.	90370	956.02428
28483	.66992	48146	.56021	92444	.87873

G	C.	*Sinus.*	G	C.	*Differ.*
4	68	8.91164018	3	10	139732
15	28	9.42084050	17	30	24328
26	32	9.64678011			
31	9	9.71297267			
45	61	9.85405984			
66	54	9.96252949			

G	C.	*Tangens*	G	C.	*Differ.*
0	71	8.09315794	0	71	616093
0	72	8.29923272	0	74	583020
0	73	8.10522372			
0	74	8.11113323			
3	04	8.72515575			
23	25	9.63309854			
71	81	10.50953519			
71	82	10.50980372			
78	100	10.71134773			
82	53	10.88233152			
86	39	11.20004020			
88	02	11.46128451			

G.	M.	*Sinus*
0	139	7.38489174
0	406	7.85049976
0	499	7.93997242
0	613	8 02932956



Paſt this figure upon the ſecond Diagram of the 6 page.

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